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SEQUENCE LISTING

Parameter Community

(1) GENERAL INFORMATION:

- (i) APPLICANT: FLECKENSTEIN, Bernhard ENSSER, Armin
- (ii) TITLE OF INVENTION: HUMAN SEMAPHORIN L (H-SEMAL) AND CORRESPONDING SEMAPHORINS IN OTHER SPECIES
- (iii) NUMBER OF SEQUENCES: 44
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Frommer Lawrence & Haug LLP
 - (B) STREET: 745 Fifth Avenue
 - (C) CITY: New York
 - (D) STATE: New York
 - (E) COUNTRY: USA
 - (F) ZIP: 10151
- (v) COMPUTER READABLE FORM:
 - (A) MED##M TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US NYA
 - (B) FILING DATE: 09-JUL-1998
 - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Lawrence, William F.
 - (B) REGISTRATION NUMBER: 28,029
 - (C) REFERENCE/DOCKET NUMBER: 514429-3647
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 212-588-0800
 - (B) TELEFAX: 212-588-0500
- (2) INFORMATION FOR SEQ ID NO:1:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 2636 base pairs
 - (E) TYPE: nucleic acid
 - (B) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CGGGGCCACG GGATGACGCC TCCTCCGCCC GGACGTGCCG CCCCCAGCGC ACCGCGCGCC 60 CGCGTCCCTG GCCCGCCGGC TCGGTTGGGG CTTCCGCTGC GGCTGCGGCT GCTGCTGCTG 120 CTCTGGGCGG CCGCCGCCTC CGCCCAGGGC CACCTAAGGA GCGGACCCCG CATCTTCGCC GTCTGGAAAG GCCATGTAGG GCAGGACCGG GTGGACTTTG GCCAGACTGA GCCGCACACG 240 GTGCTTTTCC ACGAGCCAGG CAGCTCCTCT GTGTGGGTGG GAGGACGTGG CAAGGTCTAC 300 CTCTTTGACT TCCCCGAGGG CAAGAACGCA TCTGTGCGCA CGGTGAATAT CGGCTCCACA 360 AAGGGGTCCT GTCTGGATAA GCGGGACTGC GAGAACTACA TCACTCTCCT GGAGAGGCGG 420 AGTGAGGGGC TGCTGGCCTG TGGCACCAAC GCCCGGCACC CCAGCTGCTG GAACCTGGTG 480 AATGGCACTG TGGTGCCACT TGGCGAGATG AGAGGCTACG CCCCCTTCAG CCCGGACGAG 540 AACTCCCTGG TTCTGTTTGA AGGGGACGAG GTGTATTCCA CCATCCGGAA GCAGGAATAC 600 AATGGGAAGA TCCCTCGGTT CCGCCGCATC CGGGGCGAGA GTGAGCTGTA CACCAGTGAT 660 ACTGTCATGC AGAACCCACA GTTCATCAAA GCCACCATCG TGCACCAAGA CCAGGCTTAC 720 GATGACAAGA TCTACTACTT CTTCCGAGAG GACAATCCTG ACAAGAATCC TGAGGCTCCT 780 CTCAATGTGT CCCGTGTGGC CCAGTTGTGC AGGGGGGACC AGGGTGGGGA AAGTTCACTG 840 TCAGTCTCCA AGTGGAACAC TTTTCTGAAA GCCATGCTGG TATGCAGTGA TGCTGCCACC 900 AACAAGAACT TCAACAGGCT GCAAGACGTC TTCCTGCTCC CTGACCCCAG CGGCCAGTGG 960 AGGGACACCA GGGTCTATGG TGTTTTCTCC AACCCCTGGA ACTACTCAGC CGTCTGTGTG 1020 TATTCCCTCG GTGACATTGA CAAGGTCTTC CGTACCTCCT CACTCAAGGG CTACCACTCA 1080 AGCCTTCCCA ACCCGCGGCC TGGCAAGTGC CTCCCAGACC AGCAGCCGAT ACCCACAGAG 1140 ACCTTCCAGG TGGCTGACCG TCACCCAGAG GTGGCGCAGA GGGTGGAGCC CATGGGGCCT 1200 CTGAAGACGC CATTGTTCCA CTCTAAATAC CACTACCAGA AAGTGGCCGT TCACCGCATG 1260 CAAGCCAGCC ACGGGGAGAC CTTTCATGTG CTTTACCTAA CTACAGACAG GGGCACTATC 1320 CACAGGTGG TGGAACCGGG GGAGCAGGAG CACAGCTTCG CCTTCAACAT CATGGAGATC 1380 CAGCCCTTCC GCCGCGCG TGCCATCCAG ACCATGTCGC TGGATGCTGA GCGGAGGAAG 1440 CTGTATGTGA GCTCCCAGTG GGAGGTGAGC CAGGTGCCCC TGGACCTGTG TGAGGTCTAT 1500 1560 GGCGGGGGCT GCCACGGTTG CCTCATGTCC CGAGACCCCT ACTGCGGCTG GGACCAGGGC CGCTGCATCT CCATCTACAG CTCCGAACGG TCAGTGCTGC AATCCATTAA TCCAGCCGAG 1620 CCACACAGG AGTGTCCCAA CCCCAAACCA GACAAGGCCC CACTGCAGAA GGTTTCCCTG 1680 GCCCCAAACT CTCGCTACTA CCTGAGCTGC CCCATGGAAT CCCGCCACGC CACCTACTCA 1740

TGGCGCCACA AGGAGAACGT GGAGCAGAGC TGCGAACCTG GTCACCAGAG CCCCAACTGC 1800 ATCCTGTTCA TCGAGAACCT CACGGCGCAG CAGTACGGCC ACTACTTCTG CGAGGCCCAG 1860 GAGGGCTCCT ACTTCCGCGA GGCTCAGCAC TGGCAGCTGC TGCCCGAGGA CGGCATCATG 1920 GCCGAGCACC TGCTGGGTCA TGCCTGTGCC CTGGCTGCCT CCCTCTGGCT GGGGGTGCTG 1980 CCCACACTCA CTCTTGGCTT GCTGGTCCAC TAGGGCCTCC CGAGGCTGGG CATGCCTCAG 2040 GCTTCTGCAG CCCAGGGCAC TAGAACGTCT CACACTCAGA GCCGGCTGGC CCGGGAGCTC 2100 CTTGCCTGCC ACTTCTTCCA GGGGACAGAA TAACCCAGTG GAGGATGCCA GGCCTGGAGA 2160 CGTCCAGCCG CAGGCGGCTG CTGGGCCCCA GGTGGCGCAC GGATGGTGAG GGGCTGAGAA 2220 TGAGGGCACC GACTGTGAAG CTGGGGCATC GATGACCCAA GACTTTATCT TCTGGAAAAT 2280 ATTTTCAGA CTCCTCAAAC TTGACTAAAT GCAGCGATGC TCCCAGCCCA AGAGCCCATG 2340 GGTCGGGGAG TGGGTTTGGA TAGGAGAGCT GGGACTCCAT CTCGACCCTG GGGCTGAGGC 2400 CTGAGTCCTT CTGGACTCTT GGTACCCACA TTGCCTCCTT CCCCTCCCTC TCTCATGGCT 2460 GGGTGGCTGG TGTTCCTGAA GACCCAGGGC TACCCTCTGT CCAGCCCTGT CCTCTGCAGC 2520 TCCCTCTCTG GTCCTGGGTC CCACAGGACA GCCGCCTTGC ATGTTTATTG AAGGATGTTT 2580 GCTTTCCGGA CGGAAGGACG GAAAAAGCTC TGAAAAAAAA AAAAAAAAA AAAAAA 2636

(2) INFORMATION FOR SEO ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1195 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CGGGGCTGCG	GGATGACGCC	TCCTCCTCCC	GGACGTGCCG	CCCCCAGCGC	ACCGCGCGCC	60
CGCGTCCTCA	GCCTGCCGGC	TCGGTTCGGG	CTCCCGCTGC	GGCTGCGGCT	TCTGCTGGTG	120
TTCTGGGTGG	CCGCCGCCTC	CGCCCAAGGC	CACTCGAGGA	GCGGACCCCG	CATCTCCGCC	180
GTCTGGAAAG	GGCAGGACCA	TGTGGACTTT	AGCCAGCCTG	AGCCACACAC	CGTGCTTTTC	240
CATGAGCCGG	GCAGCTTCTC	TGTCTGGGTG	GGTGGACGTG	GCAAGGTCTA	CCACTTCAAC	300
TTCCCCGAGG	GCAAGAATGC	CTCTGTGCGC	ACGGTGAACA	TCGGCTCCAC	AAAGGGGTCC	360

TGTCAGGACA	AACAGGACTG	TGGĠÄATTAC	ATCACTCTTC	TAGAAAGGCG	GGGTAATGGG	420
CTGCTGGTCT	GTGGCACCAA	TGCCCGGAAG	CCCAGCTGCT	GGAACTTGGT	GAATGACAGT	.4'80
GTGGTGATGT	CACTTGGTGA	GATGAAAGGC	TATGCCCCCT	TCAGCCCGGA	TGAGAACTCC	540
CTGGTTCTGT	'TTGAAGGAGA	TGAAGTGTAC	TCTACCATCC	GGAAGCAGGA	ATACAACGGG	600
AAGATCCCTC	GGTTTCGACG	CATTCGGGGC	GAGAGTGAAC	TGTACACAAG	TGATACAGTC	660
ATGCAGAACC	CACAGTTCAT	CAAGGCCACC	ATTGTGCACC	AAGACCAAGC	CTATGATGAT	/ 2720
AAGATCTACT	ACTTCTTCCG	AGAAGACAAC	CCTGACAAGA	ACCCCGAGGC	TCCTCTCAAT	780
GTGTCCCGAG	TAGCCCAGTT	GTGCAGGGGG	GACCAGGGTG	GTGAGAGTTC	GTTGTCTGTC	840
TCCAAGTGGA	ACACCTTCCT	GAAAGCCATG	TTGGTCTGCA	GCGATGCAGC	CACCAACAGG	900
AACTTCAATC	GGCTGCAAGA	TGTCTTCCTG	CTCCCTGACC	CCAGTGGCCA	GTGGAGAGAT	960
ACCAGGGTCT	ATGGCGTTTT	CTCCAACCCC	TGGAACTACT	CAGCTGTCTG	CGTGTATTCG	1020
CTTGGTGACA	TTGACAGAGT	CTTCCGTACC	TCATCGCTCA	AAGGCTACCA	CATGGGCCTT	1080
TCCAACCCTC	GACCTGGCAT	GTGCCTCCCA	AAAAAGCAGC	CCATACCCAC	AGAAACCTTC	1140
CAGGTAGCTG	ATAGTCACCC	AGAGGTGGCT	CAGAGGGTGG	AACCTATGGG	GCCCC	1195

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 666 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: n/a
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: amino acid

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Met Thr Pro Pro Pro Pro Gly Arg Ala Ala Pro Ser Ala Pro Arg Ala 1 5 10 15

Arg Val Pro Gly Pro Pro Ala Arg Leu Gly Leu Pro Leu Arg Leu Arg 20 25 30

Leu Leu Leu Leu Trp Ala Ala Ala Ser Ala Gln Gly His Leu 35 40 45

Arg Ser Gly Pro Arg Ile Phe Ala Val Trp Lys Gly His Val Gly Gln 50 55 60

Asp Arg Val Asp Phe Gly Gln Thr Glu Pro His Thr Val Leu Phe His

Glu Pro Gly Ser Ser Ser Val Trp Val Gly Gly Arg Gly Lys Val Tyr
85 90 95

65

Leu Phe Asp Phe Pro Glu Gly Lys Asn Ala Ser Val Arg Thr Val Asn 100 105 110

The Gly Ser Thr Lys Gly Ser Cys Leu Asp Lys Arg Asp Cys Glu Asn 115 120 125

Tyr Ile Thr Leu Leu Glu Arg Arg Ser Glu Gly Leu Leu Ala Cys Gly
130 135 140

Thr Asn Ala Arg His Pro Ser Cys Trp Asn Leu Val Asn Gly Thr Val 145 150 155 160

Val Pro Leu Gly Glu Met Arg Gly Tyr Ala Pro Phe Ser Pro AspæGlu 165 170 175

Asn Ser Leu Val Leu Phe Glu Gly Asp Glu Val Tyr Ser Thr Ile Arg

180 185 190

Lys Gln Glu Tyr Asn Gly Lys Ile Pro Arg Phe Arg Arg Ile Arg Gly ...
195 200 205

Glu Ser Glu Leu Tyr Thr Ser Asp Thr Val Met Gln Asn Pro Gln Phe 210 215 220

Ile Lys Ala Thr Ile Val His Gln Asp Gln Ala Tyr Asp Asp Lys Ile 225 230 235 240

Tyr Tyr Phe Phe Arg Glu Asp Asn Pro Asp Lys Asn Pro Glu Ala Pro 245 250 255

Leu Asn Val Ser Arg Val Ala Gln Leu Cys Arg Gly Asp Gln Gly Gly
260 265 270

Glu Ser Ser Leu Ser Val Ser Lys Trp Asn Thr Phe Leu Lys Ala Met 275 280 285

Leu Val Cys Ser Asp Ala Ala Thr Asn Lys Asn Phe Asn Arg Leu Gln 290 295 300

Asp Val Phe Leu Leu Pro Asp Pro Ser Gly Gln Trp Arg Asp Thr Arg 305 310 315 320

Val Tyr Gly Val Phe Ser Asn Pro Trp Asn Tyr Ser Ala Val Cys Val 325 330 335

Tyr Ser Leu Gly Asp Ile Asp Lys Val Phe Arg Thr Ser Ser Leu Lys
340 345 350

Gly Tyr His Ser Ser Leu Pro Asn Pro Arg Pro Gly Lys Cys Leu Pro 355 360 365

Asp Gln Gln Pro Ile Pro Thr Glu Thr Phe Gln Val Ala Asp Arg His

380

Pro Glu Val Ala Gln Arg Val Glu Pro Met Gly Pro Leu Lys Thr Pro 390 395 Leu Phe His Ser Lys Tyr His Tyr Gln Lys Val Ala Val His Arg Met 410 Gln Ala Ser His Gly Glu Thr Phe His Val Leu Tyr Leu Thr Thr Asp 425 Arg Gly Thr Ile His Lys Val Val Glu Pro Gly Glu Gln Glu His Ser 440 Phe Ala Phe Asn Ile Met Glu Ile Gln Pro Phe Arg Arg Ala Ala Ala 455 Ile Gln Thr Met Ser Leu Asp Ala Glu Arg Arg Lys Leu Tyr Val Ser-470 Ser Gln Trp Glu Val Ser Gln Val Pro Leu Asp Leu Cys Glu Val Tyr-485 Gly Gly Cys His Gly Cys Leu Met Ser Arg Asp Pro Tyr Cys Gly 505 Trp Asp Gln Gly Arg Cys Ile Ser Ile Tyr Ser Ser Glu Arg Ser Val Leu Gln Ser Ile Asn Pro Ala Glu Pro His Lys Glu Cys Pro Asn Pro 535 Lys Pro Asp Lys Ala Pro Leu Gln Lys Val Ser Leu Ala Pro Asn Ser 550 Arg Tyr Tyr Leu Ser Cys Pro Met Glu Ser Arg His Ala Thr Tyr Ser 570 Trp Arg His Lys Glu Asn Val Glu Gln Ser Cys Glu Pro Gly His Gln 585 Ser Pro Asn Cys lle Leu Phe Ele Glu Asn Leu Thr Ala Gln Gln Tyr 600 Gly His Tyr Phe Cys Glu Ala Gln Glu Gly Ser Tyr Phe Arg Glu Ala 615 Gln His Trp Gln Leu Leu Pro Glu Asp Gly Ile Met Ala Glu His Leu 630 635 Leu Gly His Ala Cys Ala Leu Ala Ala Ser Leu Trp Leu Gly Val Leu 650 645 Pro Thr Leu Thr Leu Gly Leu Leu Val His

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 394 amino acids
 - (B) TYPE: amino acid
 - (C) STRANDEDNESS: n/a
 - (D) TOPOLOGY: linear as
- (ii) MOLECULE TYPE: amino acid
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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Met Thr Pro Pro Pro Pro Gly Arg Ala Pro Ser Ala Pro Arg Ala

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- Arg Val Leu Ser Leu Pro Ala Arg Phe Gly Leu Pro Leu Arg Leu Arg 20 25 30
- Leu Leu Val Phe Trp Val Ala Ala Ser Ala Gln Gly His Ser
 35 40 45
- Arg Ser Gly Pro Arg Ile Ser Ala Val Trp Lys Gly Gln Asp His Val 50
- Asp Phe Ser Gln Pro Glu Pro His Thr Val Leu Phe His Glu Pro Gly 65 70 75 80
- Ser Phe Ser Val Trp Val Gly Gly Arg Gly Lys Val Tyr His Phe Asn 85 90 95
- Phe Pro Glu Gly Lys Asn Ala Ser Val Arg Thr Val Asn Ile Gly Ser 100 105 110
- Thr Lys Gly Ser Cys Gln Asp Lys Gln Asp Cys Gly Asn Tyr Ile Thr 115 120 125
- Leu Leu Glu Arg Arg Gly Asn Gly Leu Leu Val Cys Gly Thr Asn Ala 130 135 140
- Arg Lys Pro Ser Cys Trp Asn Leu Val Asn Asp Ser Val Val Met Ser 145 150 155 160

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Light the Committee

- Leu Gly Glu Met Lys Gly Tyr Ala Pro Phe Ser Pro Asp Glu Asn Ser 165 170 175
- Leu Val Leu Phe Glu Gly Asp Glu Val Tyr Ser Thr Ile Arg Lys Gln 180 185 190
- Glu Tyr Asn Gly Lys Ile Pro Arg Phe Arg Arg Ile Arg Gly Glu Ser 195 200 205
- Glu Leu Tyr Thr Ser Asp Thr Val Met Gln Asn Pro Gln Phe Ile Lys 210 215 220
- Ala Thr Ile Val His Gln Asp Gln Ala Tyr Asp Asp Lys Ile Tyr Tyr

13 Contra

Phe Phe Arg Glu Asp Asn Pro Asp Lys Asn Pro Glu Ala Pro Leu Asn 245 250 255

Val Ser Arg Val Ala Gln Leu Cys Arg Gly Asp Gln Gly Glu Ser 260 265 270

Ser Leu Ser Val Ser Lys Trp Asn Thr Phe Leu Lys Ala Met Leu Val 275 280 285

Cys Ser Asp Ala Ala Thr Asn Arg Asn Phe Asn Arg Leu Gln Asp Val 290 295 300

Phe Leu Leu Pro Asp Pro Ser Gly Gln Trp Arg Asp Thr Arg Val Tyr 305 310 315 320

Gly Val Phe Ser Asn Pro Trp Asn Tyr Ser Ala Val Cys Val Tyr Ser 325

Leu Gly Asp Ile Asp Arg Val Phe Arg Thr Ser Ser Leu Lys Gly Tyr 340 345 350

His Met Gly Leu Ser Asn Pro Arg Pro Gly Met Cys Leu Pro Lys Lys 355

Gln Pro Ile Pro Thr Glu Thr Phe Gln Val Ala Asp Ser His Pro Glu 370 375 380

Val Ala Gln Arg Val Glu Pro Met Gly Pro 385 390

(2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 23 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

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ACTCACTATA GGGCTCGAGC GGC

23

(2) INFORMATION FOR SEQ ID NO:6:

- - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(i) SEQUENCE CHARACTERISTICS:

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(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:6:	en de la companya de	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
AGCCGCACAC GGTGCTTTTC			20
(2) INFORMATION FOR SEQ ID NO:7:		25	F 4
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs		e de es especial. Esta esta esta esta esta esta esta esta e	
(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear			
(ii) MOLECULE TYPE: DNA (genomic)			128
		48 1 1.78	(*)
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:7:	and the state of t	*
GCACAGATGC GTTCTTGCCC			20
(2) INFORMATION FOR SEQ ID NO:8:		turing a William Turing a William	1.4
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 			
		en e	
(ii) MOLECULE TYPE: DNA (genomic)			1 22 2
			124
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:8:		
ACCATAGACC CTGGTGTCCC	:	· TAK AS TRAPARA · Marin · Part 関いた。	20
(2) INFORMATION FOR SEQ ID NO:9:			
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs		186 M. F. C. F. C. C. M. P. S.	
(B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear			
(ii) MOLECULE TYPE: DNA (genomic)	at		

(ii) MOLECULE TYPE: DNA (genomic)

GCAGTGATGC TGCCACCAAC

(2)	INFORMATION	FOR	SEO	TD	NO-10-

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

CCAGACCATG TCGCTGGATG

20

- (2) INFORMATION FOR SEQ ID NO:11:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:

ACATGAGGCA ACCGTGGCAG

20

- (2) INFORMATION FOR SEQ ID NO:12:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 27 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:

CCATCCTAAT ACGACTCACT ATAGGGC

27

- (2) INFORMATION FOR SEQ ID NO:13:
 - (i) SEQUENCE CHARACTERISTICS:

	(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	and the content of th
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	•	
	(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:13:
AGG'	AGACCT TGCCACGTCC	20
(2)	INFORMATION FOR SEQ ID NO:14:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 23 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
		Artenia de la Composición de l
	(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:14:
GAA	TTCAAC AGGCTGCAAG ACG	23
(2)	INFORMATION FOR SEQ ID NO:15:	
	(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 20 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: DNA (genomic)	
		ta ku di di samban kata kata di samban kata di sam Li
;		and the second of the second of the second
	(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:15:
ATG	TGAGCG GAGGAAGCTG	20
(2)	INFORMATION FOR SEQ ID NO:16:	and the second s
	 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
	(ii) MOLECULE TYPE: DNA (genomic)	

A.

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:	16:
	er ere part diki in begin
CCGCCATACA CCTCACACAG	20
(2) INFORMATION FOR SEQ ID NO:17:	
(A) LENGTH: 28 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single	
(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	COLOR DESCRIPTION OF CLASSES AND
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:	
CTGGAAGCTT TCTGTGGGTA TCGGCTGC	28
(2) INFORMATION FOR SEQ ID NO:18:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 25 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
•	The second of th
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:	18:
TTTGGATCCC TGGTTCTGTT TGAAG	25
(2) INFORMATION FOR SEQ ID NO:19:	
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 50 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	
(ii) MOLECULE TYPE, DNA (gonomic)	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:19:

TTCTAGAATT CAGCGGCCGC TTTTTTTTT TTTTTTTT	TTTTTTTTT 50
(2) INFORMATION FOR SEQ ID NO:20:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 27 base pairs(B) TYPE: nucleic acid	The property of the second sec
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	under 1966 (1964), in de Marier (1964), in de la companya (1964), in de la companya (1964), in de la companya La companya (1964), in de la comp
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:20	· Andrew Andrew Andrew
GGGGAAAGTT CACTGTCAGT CTCCAAG	1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
(2) INFORMATION FOR SEQ ID NO:21:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 26 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	The same and the s
(ii) MOLECULE TYPE: DNA (genomic)	
	en e
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:21	: · · · · · · · · · · · · · · · · · · ·
GGGAATACAC ACAGACGGCT GAGTAG	.26
(2) INFORMATION FOR SEQ ID NO:22:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 22 base pairs(B) TYPE: nucleic acid	A ARM COLOR OF THE STATE OF THE
(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	$\frac{\partial \mathcal{M}_{i}}{\partial x_{i}} = \frac{\partial \mathcal{M}_{i}}{\partial x_{i}} + \frac{\partial \mathcal{M}_{i}}{\partial x_{$
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:22	• * * * * * * * * * * * * * * * * * * *

AGCAAGTTCA GCCTGGTTAA GT

(2) INFORMATION FOR SEQ ID NO:23:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 21 base pairs

(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear		•				. ":
(ii) MOLECULE TYPE: DNA (genomic)				· · · · · · · ·		
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(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:23:		A 79	£ .	r s	
TTATGAGTAT TTCTTCCAGG G					21	·
(2) INFORMATION FOR SEQ ID NO:24:						
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 26 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	g Ag	.94 - Ø	$\begin{aligned} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & \\ & & \\ & \\ & & \\ $	11 (3 2)		- 20 4 2 -
(ii) MOLECULE TYPE: DNA (genomic)						
(xi) SEQUENCE DESCRIPTION: SEQ ID	NO:24:	** · · ·			, •	
CCATTAATCC AGCCGAGCCA CACAAG				•	26	
(2) INFORMATION FOR SEQ ID NO:25:		•				
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 25 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear						
(ii) MOLECULE TYPE: DNA (genomic)		٠,		Ι.		•
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(xi) SEQUENCE DESCRIPTION: SEQ II	NO:25:					
CATCTACAGC TCCGAACGGT CAGTG		-			25	
(2) INFORMATION FOR SEQ ID NO:26:						
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 20 base pairs (B) TYPE: nucleic acid			······································			·
(C) STRANDEDNESS: single(D) TOPOLOGY: linear						•
(ii) MOLECULE TYPE: DNA (genomic)) .		1			

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:26:	
CAGCGGAAGC CCCAACCGAG	
(2) INFORMATION FOR SEQ ID NO:27:	and the state of t
 (i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear 	a y fews (which is the control of extremely a significant of the control of extremely and the control of the co
(ii) MOLECULE TYPE: DNA (genomic)	Direct C選集 ディース でも Haster Constitution (1997) - The Constitution (1997)
(II) ROBBEODE IIIE. BIA (Genomic)	the first of application of a figure
	St. St. St. St. State St.
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:27:	 And Mark Control (Albert Control) And Control (Albert Control)
GGGATGACGC CTCCTCCGCC CGG	23
(2) INFORMATION FOR SEQ ID NO:28:	and the second of the second o
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 31 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:28:	
AAGCTTCACG TGGACCAGCA AGCCAAGAGT G	31 20 - 31 20 - 32 - 33 - 34 - 34 - 34 - 34 - 34 - 34
(2) INFORMATION FOR SEQ ID NO:29:	
(i) SEQUENCE CHARACTERISTICS:(A) LENGTH: 25 base pairs(B) TYPE: nucleic acid(C) STRANDEDNESS: single(D) TOPOLOGY: linear	
(ii) MOLECULE TYPE: DNA (genomic)	

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:29:

AAGCTTTTC CGTCCTTCCG TCCGG

(2) 1	NFORMATION H	FOR SEQ ID NO:30:					
•	(A) LEI	CHARACTERISTICS: IGTH: 24 base pairs PE: nucleic acid	· :	etektorti.	1 Jak		
	(C) ST	RANDEDNESS: single POLOGY: linear					
	(ii) MOLECULI	TYPE: DNA (genomic)		i Martentono Literatura Literatura Perpenduar		
	(xi) SEQUENC	E DESCRIPTION: SEQ I	D NO:30:		t est	$\mathcal{F}_{ij} = \mathcal{F}_{ij}$	
ATGG	rgagca agggc	GAGGA GCTG	·	y something of		24	
(2)	INFORMATION	FOR SEQ ID NO:31:					
	(A) LE (B) TY (C) ST	E CHARACTERISTICS: NGTH: 24 base pairs PE: nucleic acid RANDEDNESS: single POLOGY: linear	134 1	. 5. ±			
	(ii) MOLECUL	E TYPE: DNA (genomic	· ·				
	•	E DESCRIPTION: SEQ 1	ID NO:31:		a ee oo oo oo	24	
	TACAGC TCGTC					24	
(2)	(i) SEQUENC (A) LE (B) TY (C) ST	FOR SEQ ID NO:32: E CHARACTERISTICS: NGTH: 25 base pairs PE: nucleic acid RANDEDNESS: single	e en		t tur	÷	*
		POLOGY: linear		1981,68	3: W 7 7 7	.* ;:	in rela
	(ii) MOLECUI	E TYPE: DNA (genomi	c) .	<u>.</u>		1 to 12 to 1	
	•	E DESCRIPTION: SEQ	ID NO:32:		Same of the A		
GGGI	GGTGAG AGTT					25	
(2)	INFORMATION	FOR SEQ ID NO:33:					
	(A) LI	CE CHARACTERISTICS: ENGTH: 25 base pairs (PE: nucleic acid				٠.	

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GAGCGATGAG GTACGGAAGA CTCTG	25
(2) INFORMATION FOR SEQ ID NO:34:	A Comment of the
(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 5856 base pairs (B) TYPE: nucleic acid	
(C) STRANDEDNESS: single (D) TOPOLOGY: linear	the production of the second
(ii) MOLECULE TYPE: DNA (genomic)	to water
	April 1995
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:34:	e da da "
	A Committee of the Comm
AGCGCCCAAT ACGCAAACCG CCTCTCCCCG CGCGTTGGCC GATTC	ATTAA TGCAGCTGGC 60
ACGACAGGTT TCCCGACTGG AAAGCGGGCA GTGAGCGCAA CGCAA	TTAAT GTGAGTTAGC 120
TCACTCATTA GGCACCCCAG GCTTTACACT TTATGCTTCC GGCTC	GTATG TTGTGTGGAA 180
TTGTGAGCGG ATAACAATTT CACACAGGAA ACAGCTATGA CCATG	
ACGTGGACCA GCAAGCCAAG AGTGAGTGTG GGCAGCACCC CCAGC	CAGAG GGAGGCAGCC 300
AGGGCACAGG CATGACCCAG CAGGTGCTCG GCCATGATGC CGTCC	TCGGG CAGCAGCTGC 360
CAGTGCTGAG CCTCGCGGAA GTAGGAGCCC TCCTGGGCCT CGCAG	AAGTA GTGGCCGTAC 420
TGCTGCGCCG TGAGGTTCTC GATGAACAGG ATGCAGTTGG GGCTC	
CAGCTCTGCT CCACGTTCTC CTTGTGGCGC CATGAGTAGG TGGCG	TGGCG GGATTCCATG 540
GGGCAGCTCA GGTAGTAGCG AGAGTTTGGG GCCAGGGAAA CCTTC	TGCAG TGGGGCCTTG 600

660

720

780

840

900

TCTGGTTTGG GGTTGGGACA CTCCTTGTGT GGCTCGGCTG GATTAATGGA TTGCAGCACT

GACCGTTCGG AGCTGTAGAT GGAGATGCAG CGGCCCTGGT CCCAGCCGCA GTAGGGGTCT

CGGGACATGA GGCAACCGTG GCAGCCCCCG CCATAGACCT CACACAGGTC CAGGGGCACC

TGGCTCACCT CCCACTGGGA GCTCACATAC AGCTTCCTCC GCTCAGCATC CAGCGACATG

GTCTGGATGG CAGCCGCGC GCGGAAGGGC TGGATCTCCA TGATGTTGAA GGCGAAGCTG

(C) STRANDEDNESS: single

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:33:

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

TCGGTCGCCG	GGCGCGGTAT	TCTCAGAATG	ACTTGGTTGA	GTACTCACCA	GTCACAGAAA	4380
AGCATCTTAC	GGATGGCATG	ACAGTAAGAG	AATTATGCAG	TGCTGCCATA	ACCATGAGTG	4440
ATAACACTGC	GGCCAACTTA	CTTCTGACAA	CGATCGGAGG	ACCGAAGGAG	CTAACCGCTT	4500
TTTTGCACAA	CATGGGGGAT	CATGTAACTC	GCCTTGATCG	TTGGGAACCG	GAGCTGAATG	4560
AAGCCATACC	AAACGACGAG	AGTGACACCA	CGATGCCTGT	AGCAATGCCA	ACAACGTTGC	4620
GCAAACTATT	AACTGGCGAA	CTACTTACTC	TAGCTTCCCG	GCAACAATTA	ATAGACTGGA	4680
TGGAGGCGGA	TAAAGTTGCA	GGACCACTTC	TGCGCTCGGC	CCTTCCGGCT	GGCTGGTTTA	4740
TTGCTGATAA	ATCTGGAGCC	GGTGAGCGTG	GGTCTCGCGG	TATCATTGCA	GCACTGGGGC	4800
CAGATGGTAA	GCCCTCCCGT	ATCGTAGTTA	TCTACACGAC	GGGGAGTCAG	GCAACTATGG	4860
ATGAACGAAA	TAGACAGATC	GCTGAGATAG	GTGCCTCACT	GATTAAGCAT	TGGTAACTGT	4920
CAGACCAAGT	TTACTCATAT	ATACTTTAGA	TTGATTTAAA	ACTTCATTTT	TAATTTAAAA	4980
GGATCTAGGT	GAAGATCCTT	TTTGATAATC	TCATGACCAA	AATCCCTTAA	CGTGAGTTTT	5040
CGTTCCACTG	AGCGTCAGAC	CCCGTAGAAA	AGATCAAAGG	ATCTTCTTGA	GATCCTTTTT	5100
TTCTGCGCGT	AATCTGCTGC	TTGCAAACAA	AAAAACCACC	GCTACCAGCG	GTGGTTTGTT	5160
TGCCGGATCA	AGAGCTACCA	ACTCTTTTC	CGAAGGTAAC	TGGCTTCAGC	AGAGCGCAGA	5220
TACCAAATAC	TGTCCTTCTA	GTGTAGCCGT	AGTTAGGCCA	CCACTTCAAG	AACTCTGTAG	5280
CACCGCCTAC	ATACCTCGCT	CTGCTAATCC	TGTTACCAGT	GGCTGCTGCC	AGTGGCGATA	5340
AGTCGTGTCT	TACCGGGTTG	GACTCAAGAC	GATAGTTACC	GGATAAGGCG	CAGCGGTCGG	5400
GCTGAACGGG	GGGTTCGTGC	ACACAGCCCA	GCTTGGAGCG	AACGACCTAC	ACCGAACTGA	5460
GATACCTACA	GCGTGAGCAT	TGAGAAAGCG	CCACGCTTCC	CGAAGGGAGA	AAGGCGGACA	5520
					CCAGGGGGAA	5580
ACGCCTGGTA	TCTTTATAGT	CCTGTCGGGT	TTCGCCACCT	CTGACTTGAG	CGTCGATTTT	5640
	GTCAGGGGG	CGGAGCCTAT		CAGCAACGCG	GCCTTTTTAC	5700
GGTTCCTGGC	CTTTTGCTGG		ACATGTTCTT		TCCCCTGATT	5760
CTGTGGATAA			GAGCTGATAC	CGCTCGCCGC	AGCCGAACGA	5820
CCGAGCGCAG	GGAGTCAGTG	·	CGGAAG			5856

(2) INFORMATION FOR SEQ ID NO:35:

⁽i) SEQUENCE CHARACTERISTICS:

⁽A) LENGTH: 7475 base pairs

⁽B) TYPE: nucleic acid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQUENCE: 35:

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GACGGATCGG	GAGATCTCCC	GATCCCCTAT	GGTCGACTCT	CAGTACAATC	TGCTCTGATG	60°
CCGCATAGTT	AAGCCAGTAT	CTGCTCCCTG	CTTGTGTGTT	GGAGGTCGCT	GAGTAGTGCG	120
CGAGCAAAAT	TTAAGCTACA	ACAAGGCAAG	GCTTGACCGA	CAATTGCATG	AAGAATCTGC	180
TTAGGGTTAG	GCGTTTTGCG	CTGCTTCGCG	ATGTACGGGC	CAGATATACG	CGTTGACATT	240
GATTATTGAC	TAGTTATTAA	TAGTAATCAA	TTACGGGGTC	ATTAGTTCAT	AGCCCATATA	3.00
TGGAGTTCCG	CGTTACATAA	CTTACGGTAA	ATGGCCCGCC	TGGCTGACCG	CCCAACGACC	- 360
CCCGCCCATT	GACGTCAATA	ATGACGTATG	TTCCCATAGT	AACGCCAATA	GGGACTTTCC	420
ATTGACGTCA	ATGGGTGGAC	TATTTACGGT	AAACTGCCCA	CTTGGCAGTA	CATCAAGTGT	480
ATCATATGCC	AAGTACGCCC	CCTATTGACG	TCAATGACGG	TAAATGGCCC	GCCTGGCATT	540
ATGCCCAGTA	CATGACCTTA	TGGGACTTTC	CTACTTGGCA	GTACATCTAC	GTATTAGTCA	600
TCGCTATTAC	CATGGTGATG	CGGTTTTGGC	AGTACATCAA	TGGGCGTGGA	TAGCGGTTTG	660
ACTCACGGGG	ATTTCCAAGT	CTCCACCCCA	TTGACGTCAA	TGGGAGTTTG	TTTTGGCACC	720
AAAATCAACG	GGACTTTCCA	AAATGTCGTA	ACAACTCCGC	CCCATTGACG	CAAATGGGCG	780
GTAGGCGTGT	ACGGTGGGAG	GTCTATATAA	GCAGAGCTCT	CTGGCTAACT	AGAGAACCCA	840
CTGCTTACTG	GCTTATCGAA	ATTAATACGA	CTCACTATAG	GGAGACCCAA	GCTGGCTAGC	900
GTTTAAACGG	GCCCTCTAGA	CTCGAGCGGC	CGCCACTGTG	CTGGATATCT	GCAGAATTCG	960
GCTTGGGATG	ACGCCTCCTC	CGCCCGGACG	TGCCGCCCCC	AGCGCACCGC	GCGCCCGCGT	1020
CCCTGGCCCG	CCGGCTCGGT	TGGGGCTTCC	GCTGCGGCTG	CGGCTGCTGC	TGCTGCTCTG	1080
GGCGGCCGCC	GCCTCCGCCC	AGGGCCACCT	AAGGAGCGGA	CCCCGCATCT	TCGCCGTCTG	1140
GAAAGGCCAT	GTAGGGCAGG	ACCGGGTGGA	CTTTGGCCAG	ACTGAGCCGC	ACACGGTGCT	1200
TTTCCACGAG	CCAGGCAGCT	CCTCTGTGTG	GGTGGGAGGA	CGTGGCAAGG	TCTACCTCTT	1260
TGACTTCCCC	GAGGGCAAGA	ACGCATCTGT	GCGCACGGTG	AATATCGGCT	CCACAAAGGG	1320
GTCCTGTCTG.	GATAAGCGGG	ACTGCGAGAA	CTACATCACT	CTCCTGGAGA	GGCGGAGTGA	1380
GGGGCTGCTG	GCCTGTGGCA	CCAACGCCCG	GCACCCCAGC	TGCTGGAACC	TGGTGAATGG	1440

TCCTTGACCC	TGGAAGGTGC	CACTCCCACT	GTCCTTTCCT	AATAAAATGA	GGAAATTGCA	3180
TCGCATTGTC	TGAGTAGGTG	TCATTCTATT	CTGGGGGGTG	GGGTGGGGCA	GGACAGCAAG	3240
GGGGAGGATT	GGGAAGACAA	TAGCAGGCAT	GCTGGGGATG	CGGTGGGCTC	TATGGCTTCT	3300
GAGGCGGAAA	GAACCAGCTG	GGGCTCTAGG	GGGTATCCCC	ACGCGCCCTG	TAGCGGCGCA	3360
TTAAGCGCGG	CGGGTGTGGT	GGTTACGCGC	AGCGTGACCG	CTACACTTGC	CAGCGCCCTA	3420 5 / Syl
GCGCCCGCTC	CTTTCGCTTT	CTTCCCTTCC	TTTCTCGCCA	CGTTCGCCGG	CTTTCCCCGT	3480 g 1 3 g 1 5 m
CAAGCTCTAA	ATCGGGGCAT	CCCTTTAGGG	TTCCGATTTA	GTGCTTTACG	GCACCTCGAC	3540 - A Ger
CCCAAAAAAC	TTGATTAGGG	TGATGGTTCA	CGTAGTGGGC	CATCGCCCTG	ATAGACGGTT	3600 (431) (441)
TTTCGCCCTT	TGACGTTGGA	GTCCACGTTC	TTTAATAGTG	GACTCTTGTT	CCAAACTGGA	3660
ACAACACTCA	ACCCTATCTC	GGTCTATTCT	TTTGATTTAT	AAGGGATTTT	GGGGATTTCG	3720
GCCTATTGGT	TAAAAAATGA	GCTGATTTAA	CAAAAATTTA	ACGCGAATTA	ATTCTGTGGA	3780
ATGTGTGTCA	GTTAGGGTGT	GGAAAGTCCC	CAGGCTCCCC	AGGCAGGCAG	AAGTATGCAA	3840
AGCATGCATC	TCAATTAGTC	AGCAACCAGG	TGTGGAAAGT	CCCCAGGCTC	CCCAGCAGGC	3900
AGAAGTATGC	AAAGCATGCA	TCTCAATTAG	TCAGCAACCA	TAGTCCCGCC	CCTAACTCCG	3960
CCCATCCCGC	CCCTAACTCC	GCCCAGTTCC	GCCCATTCTC	CGCCCCATGG	CTGACTAATT	4020
TTTTTTATTT	ATGCAGAGGC	CGAGGCCGCC	TCTGCCTCTG	AGCTATTCCA	GAAGTAGTGA	4080
GGAGGCTTTT	TTGGAGGCCT	AGGCTTTTGC	AAAAAGCTCC	CGGGAGCTTG	TATATCCATT	4140
TTCGGATCTG	ATCAAGAGAC	AGGATGAGGA	TCGTTTCGCA	TGATTGAACA	AGATGGATTG	4200
CACGCAGGTT	CTCCGGCCGC	TTGGGTGGAG	AGGCTATTCG	GCTATGACTG	GGCACAACAG	4260
ACAATCGGCT	GCTCTGATGC	CGCCGTGTTC	CGGCTGTCAG	CGCAGGGGCG	CCCGGTTCTT	4320
TTTGTCAAGA	CCGACCTGTC	CGGTGCCCTG	AATGAACTGC	AGGACGAGGC	AGCGCGGCTA	∌ 4380 000 // -
TCGTGGCTGG	CCACGACGG	CGTTCCTTGC	GCAGCTGTGC	TCGACGTTGT	CACTGAAGCG	4440
GĠAAGGGACT	GGCTGCTATT	GGGCGAAGTG	CCGGGGCAGG	ATCTCCTGTC	ATCTCACCTT	4500
GCTCCTGCCG	AGAAAGTATC	CATCATGGCT	GATGCAATGC	GGCGGCTGCA	TACGCTTGAT	4560
CCGGCTACCT	GCCCATTCGA	CCACCAAGCG	AAACATCGCA	TCGAGCGAGC	ACGTACTCGG	4620
ATGGAAGCCG	GTCTTGTCGA	TCAGGATGAT	CTGGACGAAG	AGCATCAGGG	GCTCGCGCCA	4680
GCCGAACTGT	TCGCCAGGCT	CAAGGCGCGC	ATGCCCGACG	GCGAGGATCT	CGTCGTGACC	4740
CATGGCGATG	CCTGCTTGCC	GAATATCATG	GTGGAAAATG	GCCGCTTTTC	TGGATTCATC	4800
GACTGTGGCC	GGCTGGGTGT	GGCGGACCGC	TATCAGGACA	TAGCGTTGGC	TACCCGTGAT	4860

D 6

ATTGCTGAAG AGCTTGGCGG CGAATGGGCT GACCGCTTCC TCGTGCTTTA CGGTATCGCC 4920 GCTCCCGATT CGCAGCGCAT CGCCTTCTAT CGCCTTCTTG ACGAGTTCTT CTGAGCGGGA 4980 CTCTGGGGTT CGAAATGACC GACCAAGCGA CGCCCAACCT GCCATCACGA GATTTCGATT 5040 CCACCGCCGC CTTCTATGAA AGGTTGGGCT TCGGAATCGT TTTCCGGGAC GCCGGCTGGA 5100 TGATCCTCCA GCGCGGGGAT CTCATGCTGG AGTTCTTCGC CCACCCCAAC TTGTTTATTG 5160 CAGCTTATAA TGGTTACAAA TAAAGCAATA GCATCACAAA TTTCACAAAT AAAGCATTTT 5220 TTTCACTGCA TTCTAGTTGT GGTTTGTCCA AACTCATCAA TGTATCTTAT CATGTCTGTA 5280 TACCGTCGAC CTCTAGCTAG AGCTTGGCGT AATCATGGTC ATAGCTGTTT CCTGTGTGAA 5340 ATTGTTATCC GCTCACAATT CCACACAACA TACGAGCCGG AAGCATAAAG TGTAAAGCCT 5400 GGGGTGCCTA ATGAGTGAGC TAACTCACAT TAATTGCGTT GCGCTCACTG CCCGCTTTCC 5460 AGTCGGGAAA CCTGTCGTGC CAGCTGCATT AATGAATCGG CCAACGCGCG GGGAGAGGCG 5520 GTTTGCGTAT TGGGCGCTCT TCCGCTTCCT CGCTCACTGA CTCGCTGCGC TCGGTCGTTC 5580 GGCTGCGGCG AGCGGTATCA GCTCACTCAA AGGCGGTAAT ACGGTTATCC ACAGAATCAG 5640 GGGATAACGC AGGAAAGAAC ATGTGAGCAA AAGGCCAGCA AAAGGCCAGG AACCGTAAAA 5700 AGGCCGCGTT GCTGGCGTTT TTCCATAGGC TCCGCCCCC TGACGAGCAT CACAAAAATC 5760 GACGCTCAAG TCAGAGGTGG CGAAACCCGA CAGGACTATA AAGATACCAG GCGTTTCCCC 5820 CTGGAAGCTC CCTCGTGCGC TCTCCTGTTC CGACCCTGCC GCTTACCGGA TACCTGTCCG 5880 CCTTTCTCCC TTCGGGAGC GTGGCGCTTT CTCAATGCTC ACGCTGTAGG TATCTCAGTT 5940 CGGTGTAGGT CGTTCGCTCC AAGCTGGGCT GTGTGCACGA ACCCCCGTT CAGCCCGACC 6000 GCTGCGCCTT ATCCGGTAAC TATCGTCTTG AGTCCAACCC GGTAAGACAC GACTTATCGC 6060 CACTGGCAGC AGCCACTGGT AACAGGATTA GCAGAGCGAG GTATGTAGGC GGTGCTACAG 6120 AGTTCTTGAA GTGGTGGCCT AACTACGGCT ACACTAGAAG GACAGTATTT GGTATCTGCG 618.0 CTCTGCTGAA GCCAGTTACC TTCGGAAAAA GAGTTGGTAG CTCTTGATCC GGCAAACAA 6240 CCACCGCTGG TAGCGGTGGT TTTTTTGTTT GCAAGCAGCA GATTACGCGC AGAAAAAAAG 6300 GATCTCAAGA AGATCCTTTG ATCTTTTCTA CGGGGTCTGA CGCTCAGTGG AACGAAAACT 6360 CACGTTAAGG GATTTTGGTC ATGAGATTAT CAAAAAGGAT CTTCACCTAG ATCCTTTTAA 6420 ATTAAAAATG AAGTTTTAAA TCAATCTAAA GTATATATGA GTAAACTTGG TCTGACAGTT 6480 ACCAATGCTT AATCAGTGAG GCACCTATCT CAGCGATCTG TCTATTTCGT TCATCCATAG 6540

TTGCCTGACT CCCCGTCGTG TAGATAACTA CGATACGGGA GGGCTTACCA TCTGGCCCCA	6600
GTGCTGCAAT GATACCGCGA GACCCACGCT CACCGGCTCC AGATTTATCA GCAATAAACC	6660
AGCCAGCCGG AAGGGCCGAG CGCAGAAGTG GTCCTGCAAC TTTATCCGCC TCCATCCAGT	6720
CTATTAATTG TTGCCGGGAA GCTAGAGTAA GTAGTTCGCC AGTTAATAGT TTGCGCAACG	6780
TTGTTGCCAT TGCTACAGGC ATCGTGGTGT CACGCTCGTC GTTTGGTATG GCTTCATTCA	6840
GCTCCGGTTC CCAACGATCA AGGCGAGTTA CATGATCCCC CATGTTGTGC AAAAAAGCGG	6900
TTAGCTCCTT CGGTCCTCCG ATCGTTGTCA GAAGTAAGTT GGCCGCAGTG TTATCACTCA	6960
TGGTTATGGC AGCACTGCAT AATTCTCTTA CTGTCATGCC ATCCGTAAGA TGCTTTCTG	7020
TGACTGGTGA GTACTCAACC AAGTCATTCT GAGAATAGTG TATGCGGCGA CCGAGTTGCT	7080
CTTGCCCGGC GTCAATACGG GATAATACCG CGCCACATAG CAGAACTTTA AAAGTGCTCA	7140
TCATTGGAAA ACGTTCTTCG GGGCGAAAAC TCTCAAGGAT CTTACCGCTG TTGAGATCCA	7200
GTTCGATGTA ACCCACTCGT GCACCCAACT GATCTTCAGC ATCTTTACT TTCACCAGCG	7260
TTTCTGGGTG AGCAAAAACA GGAAGGCAAA ATGCCGCAAA AAAGGGAATA AGGGCGACAC	7320
GGAAATGTTG AATACTCATA CTCTTCCTTT TTCAATATTA TTGAAGCATT TATCAGGGTT	7380
ATTGTCTCAT GAGCGGATAC ATATTTGAAT GTATTTAGAA AAATAAACAA ATAGGGGTTC	7440
CGCGCACATT TCCCCGAAAA GTGCCACCTG ACGTC	7475

(2) INFORMATION FOR SEQ ID NO:36:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 8192 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:36:

. 60	TGCTCTGATG	CAGTACAATC	GGTCGACTCT	GATCCCCTAT	GAGATCTCCC	GACGGATCGG
120	GAGTAGTGCG	GGAGGTCGCT	CTTGTGTGTT	CTGCTCCCTG	AAGCCAGTAT	CCGCATAGTT
180	AAGAATCTGC	CAATTGCATG	GCTTGACCGA	ACAAGGCAAG	TTAAGCTACA	CGAGCAAAAT
240	CGTTGACATT	CAGATATACG	ATGTACGGGC	CTGCTTCGCG	GCGTTTTGCG	TTAGGGTTAG
300	AGCCCATATA	ATTAGTTCAT	TTACGGGGTC	TAGTAATCAA	TAGTTATTAA	GATTATTGAC

TGGAGTTCCG CGTTACATAA CTTACGGTAA ATGGCCCGCC TGGCTGACCG CCCAACGACC CCCGCCCATT GACGTCAATA ATGACGTATG TTCCCATAGT AACGCCAATA GGGACTTTCC 420 . 19.7 ATTGACGTCA ATGGGTGGAC TATTTACGGT AAACTGCCCA CTTGGCAGTA CATCAAGTGT 480 . . Sec. 3. ATCATATGCC AAGTACGCCC CCTATTGACG TCAATGACGG TAAATGGCCC GCCTGGCATT 540 ATGCCCAGTA CATGACCTTA TGGGACTTTC CTACTTGGCA GTACATCTAC GTATTAGTCA 600 THE PROPERTY OF THE PARTY OF TCGCTATTAC CATGGTGATG CGGTTTTGGC AGTACATCAA TGGGCGTGGA TAGCGGTTTG 660 , % ACTCACGGGG ATTTCCAAGT CTCCACCCA TTGACGTCAA TGGGAGTTTG TTTTGGCACC 720 AAAATCAACG GGACTTTCCA AAATGTCGTA ACAACTCCGC CCCATTGACG CAAATGGGCG 780 Satisfaction of GTAGGCGTGT ACGGTGGGAG GTCTATATAA GCAGAGCTCT CTGGCTAACT AGAGAACCCA 840 tal lagradia y a militar grava e e la militar de la composición de la composición de la composición de la comp CTGCTTACTG GCTTATCGAA ATTAATACGA CTCACTATAG GGAGACCCAA GCTGGCTAGC 900 GTTTAAACGG GCCCTCTAGA CTCGAGCGGC CGCCACTGTG CTGGATATCT GCAGAATTCG 960 A CONTROL OF BUILDING TO SAND THE SAND GCTTGGGATG ACGCCTCCTC CGCCCGGACG TGCCGCCCCC AGCGCACCGC GCGCCCGCGT 1020 $\mathcal{L}_{ij} = \mathcal{L}_{ij} \mathcal{H}^{ij} \mathcal{N}_{ij} + \mathcal{L}_{ij} \mathcal{N}^{ij} \mathcal{N}_{ij}$ 2 1/4 CCCTGGCCCG CCGGCTCGGT TGGGGCTTCC GCTGCGGCTG CGGCTGCTGC TGCTGCTCTG 1080 GGCGGCCGCC GCCTCCGCCC AGGGCCACCT AAGGAGCGGA CCCCGCATCT TCGCCGTCTG 1140 GAAAGGCCAT GTAGGGCAGG ACCGGGTGGA CTTTGGCCAG ACTGAGCCGC ACACGGTGCT 1200 TTTCCACGAG CCAGGCAGCT CCTCTGTGTG GGTGGGAGGA CGTGGCAAGG TCTACCTCTT 1260 TGACTTCCCC GAGGGCAAGA ACGCATCTGT GCGCACGGTG AATATCGGCT CCACAAAGGG 1320 GTCCTGTCTG GATAAGCGGG ACTGCGAGAA CTACATCACT CTCCTGGAGA GGCGGAGTGA 1380 GGGGCTGCTG GCCTGTGGCA CCAACGCCCG GCACCCCAGC TGCTGGAACC TGGTGAATGG 1440 J. CACTGTGGTG CCACTTGGCG AGATGAGAGG CTACGCCCCC TTCAGCCCGG ACGAGAACTC 1500¢ CCTGGTTCTG TTTGAAGGGG ACGAGGTGTA TTCCACCATC CGGAAGCAGG AATACAATGG 1560 o agree to both a lagrage of the national Cart Council and the Section. GAAGATCCCT CGGTTCCGCC GCATCCGGGG CGAGAGTGAG CTGTACACCA GTGATACTGT 1620 THE WEST ROOM AND A STREET OF THE STREET OF 337 c CATGCAGAAC CCACAGTTCA TCAAAGCCAC CATCGTGCAC CAAGACCAGG CTTACGATGA 1680 Marie Jan Car 17 CAAGATCTAC TACTTCTTCC GAGAGGACAA TCCTGACAAG AATCCTGAGG CTCCTCTCAA 1740 TGTGTCCCGT GTGGCCCAGT TGTGCAGGGG GGACCAGGGT GGGGAAAGTT CACTGTCAGT 1800 1. 7 CTCCAAGTGG AACACTTTTC TGAAAGCCAT GCTGGTATGC AGTGATGCTG CCACCAACAA 1860 GAACTTCAAC AGGCTGCAAG ACGTCTTCCT GCTCCCTGAC CCCAGCGGCC AGTGGAGGGA 1920 CACCAGGGTC TATGGTGTTT TCTCCAACCC CTGGAACTAC TCAGCCGTCT GTGTGTATTC 1980 CCTCGGTGAC ATTGACAAGG TCTTCCGTAC CTCCTCACTC AAGGGCTACC ACTCAAGCCT 2040

TCCCAACCCG CGGCCTGGCA				CAGAGACCTT	2100	
CCAGGTGGCT GACCGTCACC	CAGAGGTGGC	GCAGAGGGTG	GAGCCCATGG	GGCCTCTGAA	2160	
GACGCCATTG TTCCACTCTA		CCAGAAAGTG		GCATGCAAGC	2220	*
CAGCCACGGG GAGACCTTTC	ATGTGCTTTA		GACAGGGGCA		2280	
GGTGGTGGAA CCGGGGGAGC	AGGAGCACAG	CTTCGCCTTC	AACATCATGG		2340	
CTTCCGCCGC GCGGCTGCCA	TCCAGACCAT				2400	
TGTGAGCTCC CAGTGGGAGG					2460	
GGGCTGCCAC GGTTGCCTCA		CCCCTACTGC	GGCTGGGACC	AGGGCCGCTG	2520	e grande de
CATCTCCATC TACAGCTCCG	AACGGTCAGT	GCTGCAATCC	ATTAATCCAG		2580	
CAAGGAGTGT CCCAACCCCA	AACCAGACAA	GGCCCCACTG		CCCTGGCCCC	2640	
AAACTCTCGC TACTACCTGA	GCTGCCCCAT		CACGCCACCT	ACTCATGGCG	2700	and the second
CCACAAGGAG AACGTGGAGC	AGAGCTGCGA				2760	and the second
GTTCATCGAG AACCTCACGG	CGCAGCAGTA	CGGCCACTAC	TTCTGCGAGG	CCCAGGAGGG	2820	
CTCCTACTTC CGCGAGGCTC	AGCACTGGCA	GCTGCTGCCC	GAGGACGGCA	TCATGGCCGA	2880	t.
GCACCTGCTG GGTCATGCCT	GTGCCCTGGC	TGCCTCCCTC	TGGCTGGGGG	TGCTGCCCAC	2940	
ACTCACTCTT GGCTTGCTGG	TCCACATGGT	GAGCAAGGGC	GAGGAGCTGT	TCACCGGGGT	3000	
GGTGCCCATC CTGGTCGAGC	TGGACGCGA	CGTAAACGGC	CACAAGTTCA		3060	
CGAGGGCGAG GGCGATGCCA	CCTACGGCAA	GCTGACCCTG			3120	
CAAGCTGCCC GTGCCCTGGC	CCACCCTCGT	GACCACCCTG	· ·	TGCAGTGCTT	3180	
CAGCCGCTAC CCCGACCACA			AAGTCCGCCA		3240	
CTACGTCCAG GAGCGCACCA	TCTTCTTCAA	GGACGACGGC	AACTACAAGA	CCCGCGCCGA		
GGTGAAGTTC GAGGGCGACA		CCGCATCGAG	CTGAAGGGCA			
GGAGGACGGC AACATCCTGG	GGCACAAGCT	GGAGTACAAC	TACAACAGCC	ACAACGTCTA	3420	
TATCATGGCC GACAAGCAGA		CAAGGTGAAC	TTCAAGATCC		3480	
CGAGGACGGC AGCGTGCAGC	·	CTACCAGCAG	AACACCCCCA			
CCCCGTGCTG CTGCCCGACA					3600	· · · · · · · · · · · · · · · · · · ·
CAACGAGAAG CGCGATCACA	TGGTCCTGCT	GGAGTTCGTG	ACCGCCGCCG	GGATCACTCT	3660	·
CGGCATGGAC GAGCTGTACA	AGGTGAAGCT	TGGGCCCGAA	САААААСТСА	TCTCAGAAGA	3720	

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GGATCTGAAT AGCGCCGTCG ACCATCATCA TCATCATCAT TGAGTTTAAA CCGCTGATCA 3780 GCCTCGACTG TGCCTTCTAG TTGCCAGCCA TCTGTTGTTT GCCCCTCCCC CGTGCCTTCC 3840 TTGACCCTGG AAGGTGCCAC TCCCACTGTC CTTTCCTAAT AAAATGAGGA AATTGCATCG 3900 CATTGTCTGA GTAGGTGTCA TTCTATTCTG GGGGGTGGGG TGGGGCAGGA CAGCAAGGGG 3.960 GAGGATTGGG AAGACAATAG CAGGCATGCT GGGGATGCGG TGGGCTCTAT GGCTTCTGAG 4020 GCGGAAAGAA CCAGCTGGGG CTCTAGGGGG TATCCCCACG CGCCCTGTAG CGGCGCATTA 4080 AGCGCGGCGG GTGTGGTGGT TACGCGCAGC GTGACCGCTA CACTTGCCAG CGCCCTAGCG 4140 CCCGCTCCTT TCGCTTTCTT CCCTTCCTTT CTCGCCACGT TCGCCGGCTT TCCCCGTCAA 4200 GCTCTAAATC GGGGCATCCC TTTAGGGTTC CGATTTAGTG CTTTACGGCA CCTCGACCCC 4260 医髓管 医线管 医 AAAAAACTTG ATTAGGGTGA TGGTTCACGT AGTGGGCCAT CGCCCTGATA GACGGTTTTT 4320 CGCCCTTTGA CGTTGGAGTC CACGTTCTTT AATAGTGGAC TCTTGTTCCA AACTGGAACA 4380 ACACTCAACC CTATCTCGGT CTATTCTTTT GATTTATAAG GGATTTTGGG GATTTCGGCC 4440 TATTGGTTAA AAAATGAGCT GATTTAACAA AAATTTAACG CGAATTAATT CTGTGGAATG 4500 TGTGTCAGTT AGGGTGTGGA AAGTCCCCAG GCTCCCCAGG CAGGCAGAAG TATGCAAAGC 4560 ATGCATCTCA ATTAGTCAGC AACCAGGTGT GGAAAGTCCC CAGGCTCCCC AGCAGGCAGA 4620 AGTATGCAAA GCATGCATCT CAATTAGTCA GCAACCATAG TCCCGCCCCT AACTCCGCCC 4680 ATCCCGCCC TAACTCCGCC CAGTTCCGCC CATTCTCCGC CCCATGGCTG ACTAATTTTT 4740 TTTATTTATG CAGAGGCCGA GGCCGCCTCT GCCTCTGAGC TATTCCAGAA GTAGTGAGGA 4800 GGCTTTTTTG GAGGCCTAGG CTTTTGCAAA AAGCTCCCGG GAGCTTGTAT ATCCATTTTC 4860 GGATCTGATC AAGAGACAGG ATGAGGATCG TTTCGCATGA TTGAACAAGA TGGATTGCAC 4920 GCAGGTTCTC CGGCCGCTTG GGTGGAGAGG CTATTCGGCT ATGACTGGGC ACAACAGACA 4980 PRODUCED AND A LOCAL OF A MORE CONTROL OF A LOCAL C THE WALL ATCGGCTGCT CTGATGCCGC CGTGTTCCGG CTGTCAGCGC AGGGGCGCCC GGTTCTTTTT 5040 DATE ROTERING GTCAAGACCG ACCTGTCCGG TGCCCTGAAT GAACTGCAGG ACGAGGCAGC GCGGCTATCG 5100 TGGCTGGCCA CGACGGGCGT TCCTTGCGCA GCTGTGCTCG ACGTTGTCAC TGAAGCGGGA 5160 AGGGACTGGC TGCTATTGGG CGAAGTGCCG GGGCAGGATC TCCTGTCATC TCACCTTGCT 5220 CCTGCCGAGA AAGTATCCAT CATGGCTGAT GCAATGCGGC GGCTGCATAC GCTTGATCCG 5280 5340 GAAGCCGGTC TTGTCGATCA GGATGATCTG GACGAAGAGC ATCAGGGGCT CGCGCCAGCC 5400 GAACTGTTCG CCAGGCTCAA GGCGCGCATG CCCGACGGCG AGGATCTCGT CGTGACCCAT 5460

,	GGCGATGCCT	GCTTGCCGAA	TATCATGGTG	GAAAATGGCC	GCTTTTCTGG	ATTCATCGAC	5520	
	TGTGGCCGGC	TGGGTGTGGC	GGACCGCTAT	CAGGACATAG	CGTTGGCTAC	CCGTGATATT	5580	3
	GCTGAAGAGC	TTGGCGGCGA	ATGGGCTGAC	CGCTTCCTCG	TGCTTTACGG	TATCGCCGCT	5640	
	CCCGATTCGC	AGCGCATCGC	CTTCTATCGC	CTTCTTGACG	AGTTCTTCTG	AGCGGGACTC	5700	
	TGGGGTTCGA	AATGACCGAC	CAAGCGACGC	CCAACCTGCC	ATCACGAGAT	TTCGATTCCA	5760	
	CCGCCGCCTT	CTATGAAAGG	TTGGGCTTCG	GAATCGTTTT	CCGGGACGCC	GGCTGGATGA	5820	- 4세 (인) - 1
	TCCTCCAGCG	CGGGGATCTC	ATGCTGGAGT	TCTTCGCCCA	CCCCAACTTG	TTTATTGCAG	5880	A ter
	CTTATAATGG	TTACAAATAA	AGCAATAGCA	TCACAAATTT	САСАААТААА	GCATTTTTT	5940	2002 to 19
	CACTGCATTC	TAGTTGTGGT	TTGTCCAAAC	TCATCAATGT	ATCTTATCAT	GTCTGTATAC	6000	1 - 2 - 22 - 1
	CGTCGACCTC	TAGCTAGAGC	TTGGCGTAAT	CATGGTCATA	GCTGTTTCCT	GTGTGAAATT	6060	
	GTTATCCGCT	CACAATTCCA	CACAACATAC	GAGCCGGAAG	CATAAAGTGT	AAAGCCTGGG	6120	•
	GTGCCTAATG	AGTGAGCTAA	CTCACATTAA	TTGCGTTGCG	CTCACTGCCC	GCTTTCCAGT	6180	. 1.7
	CGGGAAACCT	GTCGTGCCAG	CTGCATTAAT	GAATCGGCCA	ACGCGCGGGG	AGAGGCGGTT	6240	• .
	TGCGTATTGG	GCGCTCTTCC	GCTTCCTCGC	TCACTGACTC	GCTGCGCTCG	GTCGTTCGGC	6300	
	TGCGGCGAGC	GGTATCAGCT	CACTCAAAGG	CGGTAATACG	GTTATCCACA	GAATCAGGGG	6360	
	ATAACGCAGG	AAAGAACATG	TGAGCAAAAG	GCCAGCAAAA	GGCCAGGAAC	CGTAAAAAGG	6420	
	CCGCGTTGCT	GGCGTTTTTC	CATAGGCTCC	GCCCCCTGA	CGAGCATCAC	AAAAATCGAC	6480	· 2.
	GCTCAAGTCA	GAGGTGGCGA	AACCCGACAG	GACTATAAAG	ATACCAGGCG	TTTCCCCCTG	6540	
			e e garage			CTGTCCGCCT	6600	• • • •
				•		CTCAGTTCGG	6660	. *
	•	*				CCCGACCGCT	6720	**
		in the Nation	9 21 . W 12 *	1.00000	i^{*}			
			V	v	1. A	GCTACAGAGT	6840	
					•	ATCTGCGCTC	6900	
								·
						AAACAAACCA	6960	
						AAAAAAGGAT	7020	
				>	7	C GAAAACTCAC	7080	
	GTTAAGGGAT	TTTGGTCATG	AGATTATCAA	AAAGGATCTI	CACCTAGATO	C CTTTTAAATT	7140	

7200	GACAGTTACC	AACTTGGTCT	TATATGAGTA	ATCTAAAGTA	TTTTAAATCA:	AAAAATGAAG
7260	TCCATAGTTG	ATTTCGTTCA	CGATCTGTCT	CCTATCTCAG	CAGTGAGGCA	AATGCTTAAT
7320	GGCCCCAGTG	CTTACCATCT	TACGGGAGGG	ATAACTACGA	CGTCGTGTAG	CCTGACTCCC
7380	ATAAACCAGC	TTTATCAGCA	CGGCTCCAGA	CCACGCTCAC	ACCGCGAGAC	CTGCAATGAT
7440	ATCCAGTCTA	ATCCGCCTCC	CTGCAACTTT	AGAAGTGGTC	GGCCGAGCGC	CAGCCGGAAG
j 475,00	CGCAACGTTG	TAATAGTTTG	GTTCGCCAGT	AGAGTAAGTA	CCGGGAAGCT	TTAATTGTTG
7560	TCATTCAGCT	TGGTATGGCT	GCTCGTCGTT	GTGGTGTCAC	TACAGGCATC	TTGCCATTGC
7620	AAAGCGGTTA	GTTGTGCAAA	GATCCCCCAT	CGAGTTACAT	ACGATCAAGG	CCGGTTCCCA
7680	TCACTCATGG	CGCAGTGTTA	GTAAGTTGGC	GTTGTCAGAA	TCCTCCGATC	GCTCCTTCGG
7740	TTTTCTGTGA	CGTAAGATGC	TCATGCCATC	TCTCTTACTG	ACTGCATAAT	TTATGGCAGC
7800	AGTTGCTCTT	GCGGCGACCG	AATAGTGTAT	TCATTCTGAG	CTCAACCAAG	CTGGTGAGTA
7860	GTGCTCATCA	AACTTTAAAA	CACATAGCAG	AATACCGCGC	AATACGGGAT:	GCCCGGCGTC
7920	AGATCCAGTT	ACCGCTGTTG	CAAGGATCTT	CGAAAACTCT	TTCTTCGGGG	TTGGAAAACG
7980	ACCAGCGTTT	TTTTACTTTC	*CTTCAGCATC	CCCAACTGAT	CACTCGTGCA	CGATGTAACC
8040	GCGACACGGA	GGGAATAAGG	CCGCAAAAAA	AGGCAAAATG	AAAAACAGGA	CTGGGTGAGC
8100	CAGGGTTATT	AAGCATTTAT	AATATTATTG	TTCCTTTTTC	ACTCATACTC	AATGTTGAAT
8160	GGGGTTCCGC	TAAACAAATA	TTTAGAAAAA	TTTGAATGTA	CGGATACATA	GTCTCATGAG
8192			TC.	CCACCTGAÇĢ	CCGAAAAGTG	GCACATTTCC

(2) INFORMATION FOR SEQ ID NO:37:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 7000 base pairs
 - (B) TYPE: nucleic acid () (B)
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:37:

	11	1 ,		•		
AGATCTCGGC	CGCATATTAA	GTGCATTGTT	CTCGATACCG	CTAAGTGCAT	TGTTCTCGTT	60
•						
AGCTCGATGG	ACAAGTGCAT	TGTTCTCTTG	CTGAAAGCTC	GATGGACAAG	TGCATTGTTC	120
		•				
TCTTGCTGAA	AGCTCGATGG	ACAAGTGCAT	TGTTCTCTTG	CTGAAAGCTC	AGTACCCGGG	180

AGTACCCTCG ACCGCCGGAG TATAAATAGA GGCGCTTCGT CTACGGAGCG ACAATTCAAT 240 TCAAACAAGC AAAGTGAACA CGTCGCTAAG CGAAAGCTAA GCAAATAAAC AAGCGCAGCT 300 GAACAAGCTA AACAATCTGC AGTAAAGTGC AAGTTAAAGT GAATCAATTA AAAGTAACCA 360 GCAACCAAGT AAATCAACTG CAACTACTGA AATCTGCCAA GAAGTAATTA TTGAATACAA 420 480 GAAGAGAACT CTGAATACTT TCAACAAGTT ACCGAGAAAG AAGAACTCAC ACACAGCTAG 540 CGTTTAAACT TAAGCTTGGT ACCGAGCTCG GATCCACTAG TCCAGTGTGG TGGAATTCGG CTTGGGATGA CGCCTCCTCC GCCCGGACGT GCCGCCCCA GCGCACCGCG CGCCCGCGTC 600 CCTGGCCCGC CGGCTCGGTT GGGGCTTCCG CTGCGGCTGC GGCTGCTGCT GCTGCTCTGG 660 GCGGCCGCCG CCTCCGCCCA GGGCCACCTA AGGAGCGGAC CCCGCATCTT CGCCGTCTGG 720 AAAGGCCATG TAGGGCAGGA CCGGGTGGAC TTTGGCCAGA CTGAGCCGCA CACGGTGCTT 780 TTCCACGAGC CAGGCAGCTC CTCTGTGTGG GTGGGAGGAC GTGGCAAGGT CTACCTCTTT 840 GACTTCCCCG AGGGCAAGAA CGCATCTGTG CGCACGGTGA ATATCGGCTC CACAAAGGGG 900 TCCTGTCTGG ATAAGCGGGA CTGCGAGAAC TACATCACTC TCCTGGAGAG GCGGAGTGAG 960 GGGCTGCTGG CCTGTGGCAC CAACGCCCGG CACCCCAGCT GCTGGAACCT GGTGAATGGC 1020 ACTGTGGTGC CACTTGGCGA GATGAGAGGC TACGCCCCCT TCAGCCCGGA CGAGAACTCC 1080 CTGGTTCTGT TTGAAGGGGA CGAGGTGTAT TCCACCATCC GGAAGCAGGA ATACAATGGG 1140 AAGATCCCTC GGTTCCGCCG CATCCGGGGC GAGAGTGÁGC TGTACACCAG TGATACTGTC 1200 ATGCAGAACC CACAGTTCAT CAAAGCCACC ATCGTGCACC AAGACCAGGC TTACGATGAC 1260 AAGATCTACT ACTTCTTCCG AGAGGACAAT CCTGACAAGA ATCCTGAGGC TCCTCTAAT 1320 GTGTCCCGTG TGGCCCAGTT GTGCAGGGGG GACCAGGGTG GGGAAAGTTC ACTGTCAGTC 1380 TCCAAGTGGA ACACTTTTCT GAAAGCCATG CTGGTATGCA GTGATGCTGC CACCAACAAG 1440 AACTTCAACA GGCTGCAAGA CGTCTTCCTG CTCCCTGACC CCAGCGGCCA GTGGAGGGAC 1500 ACCAGGGTCT ATGGTGTTTT CTCCAACCCC TGGAACTACT CAGCCGTCTG TGTGTATTCC 1560 CTCGGTGACA TTGACAAGGT CTTCCGTACC TCCTCACTCA AGGGCTACCA CTCAAGCCTT 1620 1680 CCCAACCGC GGCCTGGCAA GTGCCTCCCA GACCAGCAGC CGATACCCAC AGAGACCTTC CAGGTGGCTG ACCGTCACCC AGAGGTGGCG CAGAGGGTGG AGCCCATGGG GCCTCTGAAG 1740 ACGCCATTGT TCCACTCTAA ATACCACTAC CAGAAAGTGG CCGTTCACCG CATGCAAGCC 1800 AGCCACGGGG AGACCTTTCA TGTGCTTTAC CTAACTACAG ACAGGGGCAC TATCCACAAG 1860 GTGGTGGAAC CGGGGGAGCA GGAGCACAGC TTCGCCTTCA ACATCATGGA GATCCAGCCC 1920

TTCCGCCGCG CGGCTGCCAT CCAGACCATG TCGCTGGATG CTGAGCGGAG GAAGCTGTAT 1980 GTGAGCTCCC AGTGGGAGGT GAGCCAGGTG CCCCTGGACC TGTGTGAGGT CTATGGCGGG 2040 GGCTGCCACG GTTGCCTCAT GTCCCGAGAC CCCTACTGCG GCTGGGACCA GGGCCGCTGC 2100 ATCTCCATCT ACAGCTCCGA ACGGTCAGTG CTGCAATCCA TTAATCCAGC CGAGCCACAC 2160 AAGGAGTGTC CCAACCCCAA ACCAGACAAG GCCCCACTGC AGAAGGTTTC CCTGGCCCCA 2220 AACTCTCGCT ACTACCTGAG CTGCCCCATG GAATCCCGCC ACGCCACCTA CTCATGGCGC 2280 CACAAGGAGA ACGTGGAGCA GAGCTGCGAA CCTGGTCACC AGAGCCCCAA CTGCATCCTG 2340 TTCATCGAGA ACCTCACGGC GCAGCAGTAC GGCCACTACT TCTGCGAGGC CCAGGAGGGC 2400 34 N.O. W. TCCTACTTCC GCGAGGCTCA GCACTGGCAG CTGCTGCCCG AGGACGGCAT CATGGCCGAG 2460 CACCTGCTGG GTCATGCCTG TGCCCTGGCT GCCTCCCTCT GGCTGGGGGT GCTGCCCACA 2520 CTCACTCTTG GCTTGCTGGT CCACGTGAAG CTTGGGCCCG TTTAAACCCG CTGATCAGCC 2580 TCGACTGTGC CTTCTAGTTG CCAGCCATCT GTTGTTTGCC CCTCCCCCGT GCCTTCCTTG 2640 ACCCTGGAAG GTGCCACTCC CACTGTCCTT TCCTAATAAA ATGAGGAAAT TGCATCGCAT 2700 2760 GATTGGGAAG ACAATAGCAG GCATGCTGGG GATGCGGTGG GCTCTATGGC TTCTGAGGCG 2820 GAAAGAACCA GCTGGGGCTC TAGGGGGTAT CCCCACGCGC CCTGTAGCGG CGCATTAAGC 2880 GCGGCGGTG TGGTGGTTAC GCGCAGCGTG ACCGCTACAC TTGCCAGCGC CCTAGCGCCC 2940 GCTCCTTTCG CTTTCTTCCC TTCCTTTCTC GCCACGTTCG CCGGCTTTCC CCGTCAAGCT 3000 CTAAATCGGG GCATCCCTTT AGGGTTCCGA TTTAGTGCTT TACGGCACCT CGACCCCAAA 3060 AAACTTGATT AGGGTGATGG TTCACGTAGT GGGCCATCGC CCTGATAGAC GGTTTTTCGC 3120 CCTTTGACGT TGGAGTCCAC GTTCTTTAAT AGTGGACTCT TGTTCCAAAC TGGAACAACA 3180 Experimental Compression and a CTCAACCCTA TCTCGGTCTA TTCTTTTGAT TTATAAGGGA TTTTGGGGAT TTCGGCCTAT 3240 TGGTTAAAAA ATGAGCTGAT TTAACAAAAA TTTAACGCGA ATTAATTCTG TGGAATGTGT 3300 3360 GTCAGTTAGG GTGTGGAAAG TCCCCAGGCT CCCCAGGCAG GCAGAAGTAT GCAAAGCATG CATCTCAATT AGTCAGCAAC CAGGTGTGGA AAGTCCCCAG GCTCCCCAGC AGGCAGAAGT 3420 ATGCAAAGCA TGCATCTCAA TTAGTCAGCA ACCATAGTCC CGCCCCTAAC TCCGCCCATC 3480 CCGCCCTAA CTCCGCCCAG TTCCGCCCAT TCTCCGCCCC ATGGCTGACT AATTTTTTT 3540 ATTTATGCAG AGGCCGAGGC CGCCTCTGCC TCTGAGCTAT TCCAGAAGTA GTGAGGAGGC 3600

TTTTTGGAG GCCTAGGCTT TTGCAAAAAG CTCCCGGGAG CTTGTATATC CATTTTCGGA 3660 TCTGATCAAG AGACAGGATG AGGATCGTTT CGCATGATTG AACAAGATGG ATTGCACGCA 3720 GGTTCTCCGG CCGCTTGGGT GGAGAGGCTA TTCGGCTATG ACTGGGCACA ACAGACAATC 3780 GGCTGCTCTG ATGCCGCCGT GTTCCGGCTG TCAGCGCAGG GGCGCCCGGT TCTTTTTGTC 3840 AAGACCGACC TGTCCGGTGC CCTGAATGAA CTGCAGGACG AGGCAGCGCG GCTATCGTGG 3900 CTGGCCACGA CGGGCGTTCC TTGCGCAGCT GTGCTCGACG TTGTCACTGA AGCGGGAAGG 3960 GACTGGCTGC TATTGGGCGA AGTGCCGGGG CAGGATCTCC TGTCATCTCA CCTTGCTCCT 4020 GCCGAGAAAG TATCCATCAT GGCTGATGCA ATGCGGCGGC TGCATACGCT TGATCCGGCT 4080 $|\Phi_{ij}\rangle = |\psi_{ij}\rangle + |\psi_{ij}\rangle$ ACCTGCCCAT TCGACCACCA AGCGAAACAT CGCATCGAGC GAGCACGTAC TCGGATGGAA 4140 Tally to the state of GCCGGTCTTG TCGATCAGGA TGATCTGGAC GAAGAGCATC AGGGGCTCGC GCCAGCCGAA 4200 CTGTTCGCCA GGCTCAAGGC GCGCATGCCC GACGGCGAGG ATCTCGTCGT GACCCATGGC GATGCCTGCT TGCCGAATAT CATGGTGGAA AATGGCCGCT TTTCTGGATT CATCGACTGT 4320 GGCCGGCTGG GTGTGGCGGA CCGCTATCAG GACATAGCGT TGGCTACCCG TGATATTGCT 4380 GAAGAGCTTG GCGGCGAATG GGCTGACCGC TTCCTCGTGC TTTACGGTAT CGCCGCTCCC 4440 4500 GATTCGCAGC GCATCGCCTT CTATCGCCTT CTTGACGAGT TCTTCTGAGC GGGACTCTGG GGTTCGAAAT GACCGACCAA GCGACGCCCA ACCTGCCATC ACGAGATTTC GATTCCACCG 4560 CCGCCTTCTA TGAAAGGTTG GGCTTCGGAA TCGTTTTCCG GGACGCCGGC TGGATGATCC 4620 TCCAGCGCGG GGATCTCATG CTGGAGTTCT TCGCCCACCC CAACTTGTTT ATTGCAGCTT 4680 ATAATGGTTA CAAATAAAGC AATAGCATCA CAAATTTCAC AAATAAAGCA TTTTTTTCAC 4740 TGCATTCTAG TTGTGGTTTG TCCAAACTCA TCAATGTATC TTATCATGTC TGTATACCGT 4800 4860 CGACCTCTAG CTAGAGCTTG GCGTAATCAT GGTCATAGCT GTTTCCTGTG TGAAATTGTT ARTERIO ATCCGCTCAC AATTCCACAC AACATACGAG CCGGAAGCAT AAAGTGTAAA GCCTGGGGTG 4920 THE WARRY OF THE PARTY OF THE PARTY OF 1653 CCTAATGAGT GAGCTAACTC ACATTAATTG CGTTGCGCTC ACTGCCCGCT TTCCAGTCGG 4980 GAAACCTGTC GTGCCAGCTG CATTAATGAA TCGGCCAACG CGCGGGGAGA GGCGGTTTGC 5040 5100 GTATTGGGCG CTCTTCCGCT TCCTCGCTCA CTGACTCGCT GCGCTCGGTC GTTCGGCTGC 5160 GGCGAGCGGT ATCAGCTCAC TCAAAGGCGG TAATACGGTT ATCCACAGAA TCAGGGGATA 5220 ACGCAGGAAA GAACATGTGA GCAAAAGGCC AGCAAAAGGC CAGGAACCGT AAAAAGGCCG 5280 CGTTGCTGGC GTTTTTCCAT AGGCTCCGCC CCCCTGACGA GCATCACAAA AATCGACGCT CAAGTCAGAG GTGGCGAAAC CCGACAGGAC TATAAAGATA CCAGGCGTTT CCCCCTGGAA 5340

	GCTCCCTCGT	GCGCTCTCCT	GTTCCGACCC	TGCCGCTTAC	CGGATACCTG	TCCGCCTTTC	5400	
	TCCCTTCGGG	AAGCGTGGCG	CTTTCTCAAT	GCTCACGCTG	TAGGTATCTC	AGTTCGGTGT	5460	
	AGGTCGTTCG	CTCCAAGCTG	GGCTGTGTGC	ACGAACCCCC	CGTTCAGCCC	GACCGCTGCG	5520	
	CCTTATCCGG	TAACTATCGT	CTTGAGTCCA	ACCCGGTAAG	ACACGACTTA		5580	
	CAGCAGCCAC	TGGTAACAGG	ATTAGCAGAG	CGAGGTATGT	AGGCGGTGCT	ACAGAGTTCT	5640	
	TGAAGTGGTG	GCCTAACTAC	GGCTACACTA	GAAGGACAGT	ATTTGGTATC	TGCGCTCTGC	5700	
	TGAAGCCAGT	TACCTTCGGA	AAAAGAGTTG	GTAGCTCTTG	ATCCGGCAAA	CAAACCACCG	5760	
	CTGGTAGCGG	TGGTTTTTT	GTTTGCAAGC	AGCAGATTAC	GCGCAGAAAA	AAAGGATCTC	[5820] W. W. W. W.	
	AAGAAGATCC	TTTGATCTTT	TCTACGGGGT	CTGACGCTCA	GTGGAACGAA	AACTCACGTT	. 5880 F. S. S. B. C.	
	AAGGGATTTT	GGTCATGAGA	TTATCAAAAA	GGATCTTCAC	CTAGATCCTT	TTAAATTAAA	5940	
	AATGAAGTTT	ТАААТСААТС	TAAAGTATAT	ATGAGTAAAC	TTGGTCTGAC	AGTTACCAAT	.6000	
	GCTTAATCAG	TGAGGCACCT	ATCTCAGCGA	TCTGTCTATT	TCGTTCATCC	ATAGTTGCCT	6060	
	GACTCCCCGT	CGTGTAGATA	ACTACGATAC	GGGAGGGCTT	ACCATCTGGC	CCCAGTGCTG	6120	
-	CAATGATACC	GEGAGACCCA	CGCTCACCGG	CTCCAGATTŤ	ATCAGCAATA	AACCAGCCAG	6180	
	CCGGAAGGGC	CGAGCGCAGA	AGTGGTCCTG	CAACTTTATC	CGCCTCCATC	CAGTCTATTA	6240	
	ATTGTTGCCG	GGAAGCTAGA	GTAAGTAGTT	CGCCAGTTAA	TAGTTTGCGC	AACGTTGTTG	6300	
	CCATTGCTAC	AGGCATCGTG	GTGTCACGCT	CGTCGTTTGG	TATGGCTTCA	TTCAGCTCCG	6360	
	GTTCCCAACG	ATCAAGGCGA	GTTACATGAT	CCCCCATGTT	GTGCAAAAAA	GCGGTTAGCT	6420	
	CCTTCGGTCC	TCCGATCGTT	GTCAGAAGTA	AGTTGGCCGC	AGTGTTATCA	CTCATGGTTA	6480	
	TGGCAGCACT	GCATAATTCT	CTTACTGTCA	TGCCATCCGT	AAGATGCTTT	TCTGTGACTG	6540	
	GTGAGTACTC	AACCAAGTCA	TTCTGAGAAT	AGTGTATGCG	GCGACCGAGT	TGCTCTTGCC	6600	
	CGGCGTCAAT	ACGGGATAAT	ACCGCGCCAC	ATAGCAGAAC	TTTAAAAGTG	CTCATCATTG	6660	
	GAAAACGTTC	TTCGGGGCGA	AAACTCTCAA	GGATCTTACC	GCTGTTGAGA	TCCAGTTCGA	6720	
	TGTAACCCAC	TCGTGCACCC	AACTGATCTT	CAGCATCTTT	TACTTTCACC	AGCGTTTCTG	6780	
	GGTGAGCAAA	AACAGGAAGG	CAAAATGCCG	CAAAAAAGGG	AATAAGGGCG	ACACGGAAAT	6840	
	GTTGAATACT	- CATACTCTTC	CTTTTTCAAT	ATTATTGAAG	CATTTATCAG	GGTTATTGTC	· ·6900 ⁻ · · · · · · · · · · · · · · · · · · ·	
	TCATGAGCGG	ATACATATTT	GAATGTATTT	AGAAAAATAA	ACAAATAGGG	GTTCCGCGCA	6960	
	CATTTCCCCG	AAAAGTGCCA	CCTGACGTCG	ACGGATCGGG		··	7000	

(2) INFORMATION FOR SEQ ID NO:38:

- (i) SEQUENCE CHARACTERISTICS:
 (A) LENGTH COOK
 - (A) LENGTH: 7108 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic) "大大","大","我们是我们,我想到一个人_,一个在我的,我就是不知了一个一个人的

(xi) SEQUENCE DESCRIPTION: SEQ. ID NO:38:

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7	AGATCTCGGC	CGCATATTAA	GTGCATTGTT	CTCGATACCG	CTAAGTGCAT	TGTTCTCGTT	, : 60 ,
7	AGCTCGATGG	ACAAGTGCAT	TGTTCTCTTG	CTGAAAGCTC	GATGGACAAG	TGCATTGTTC	120
7	TCTTGCTGAA	AGCTCGATGG	ACAAGTGCAT	TGTTCTCTTG	CTGAAAGCTC	AGTACCCGGG	[/ 180 ·
7	AGTACCCTCG	ACCGCCGGAG	TATAAATAGA	GGCGCTTCGT	CTACGGAGCG	ACAATTCAAT	240
•	rcaaacaagc	AAAGTGAACA	CGTCGCTAAG	CGAAAGCTAA	GCAAATAAAC	AAGCGCAGCT	300
(GAACAAGCTA	AACAATCTGC	AGTAAAGTGC	AAGTTAAAGT	GAATCAATTA	AAAGTAACCA	·360 · .
(GCAACCAAGT	AAATCAACTG	CAACTACTGA	AATCTGCCAA	GAAGTAATTA	TTGAATACAA	420
•	GAAGAGAACT	CTGAATACTT	TCAACAAGTT	ACCGAGAAAG	AAGAACTCAC	ACACAGCTAG	480
,	CGTTTAAACT	TAAGCTTGGT	ACCGAGCTCG	GATCCACTAG	TCCAGTGTGG	TGGAATTCGG	540
,	CTTGGGATGA	CGCCTCCTCC	GCCCGGACGT	GCCGCCCCA	GCGCACCGCG	CGCCCGCGTC	600
	CCTGGCCCGC	CGGCTCGGTT	GGGGCTTCCG	CTGEGGCTGC	GGCTGCTGCT	GCTGCTCTGG	660
,	gcggccgccg	CCTCCGCCCA	GGGCCACCTA	AGGAGCGGAC	CCCGCATCTT	CGCCGTCTGG	720
	AAAGGCCATG	TAGGGCAGGA	CCGGGTGGAC	TTTGGCCAGA	CTGAGCCGCA	CACGGTGCTT	780
	TTCCACGAGC	CAGGCAGCTC	CTCTGTGTGG	GTGGGAGGAC	GTGGCAAGGT	CTACCTCTTT	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	GACTTCCCCG	AGGGCAAGAA	CGCATCTGTG	CGCACGGTGA	ATATEGGETC	CACAAAGGGG	900
	TCCTGTCTGG	ATAAGCGGGA	CTGCGAGAAC	TACATCACTC	TCCTGGAGAG	GCGGAGTGAG	960
	GGGCTGCTGG	CCTGTGGCAC	CAACGCCCGG	CACCCCAGCT	GCTGGAACCI	' GGTGAATGGC	1020
	ACTGTGGTGC	CACTTGGCGA	GATGAGAGGC	TACGCCCCCT	TCAGCCCGGA	CGAGAACTCC	1080
	CTGGTTCTGT	TTGAAGGGGA	CGAGGTGTAT	TCCACCATCC	GGAAGCAGGA	ATACAATGGG	1140
	AAGATCCCTC	GGTTCCGCCG	CATCCGGGGC	GAGAGTGAG	TGTACACCAC	G TGATACTGTC	1200
	ATGCAGAACC	CACAGTTCAT	CAAAGCCAC	ATCGTGCACC	CAAGACCAGGG	TTACGATGAC	1260

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AAGATCTACT ACTTCTTCCG	AGAGGACAAT	CCTGACAAGA	ATCCTGAGGC	TCCTCTCAAT	1320	
GTGTCCCGTG TGGCCCAGTT	GTGCAGGGGG	GACCAGGGTG	GGGAAAGTTC	ACTGTCAGTC	1380	
TCCAAGTGGA ACACTTTCT	' GAAAGCCATG	CTGGTATGCA	GTGATGCTGC	CACCAACAAG	1440	• •
AACTTCAACA GGCTGCAAGA	CGTCTTCCTG	CTCCCTGACC	CCAGCGGCCA	GTGGAGGGAC	1500	
ACCAGGGTCT ATGGTGTTTT	CTCCAACCCC	TGGAACTACT	CAGCCGTCTG	TGTGTATTCC	1560	
CTCGGTGACA TTGACAAGGT	CTTCCGTACC	TCCTCACTCA	AGGGCTACCA	CTCAAGCCTT	1620	*
CCCAACCCGC GGCCTGGCAA	GTGCCTCCCA	GACCAGCAGC	CGATACCCAC	AGAGACCTTC	1680	LANGE ENGLIS
CAGGTGGCTG ACCGTCACCC	AGAGGTGGCG	CAGAGGGTGG	AGCCCATGGG	GCCTCTGAAG	1740	14.34
ACGCCATTGT TCCACTCTA	ATACCACTAC	CAGAAAGTGG	CCGTTCACCG	CATGCAAGCC	1800	
AGCCACGGGG AGACCTTTC	A TGTGCTTTAC	CTAACTACAG	ACAGGGGCAC	TATCCACAAG	1860	
GTGGTGGAAC CGGGGGAGC	A GGAGCACAGC	TTCGCCTTCA	ACATCATGGA	GATCCAGCCC	1920	
TTCCGCCGCG CGGCTGCCAT	CCAGACCATG	TCGCTGGATG	CTGAGCGGAG	GAAGCTGTAT	1980	
GTGAGCTCCC AGTGGGAGG	GAGCCAGGTG	CCCCTGGACC	TGTGTGAGGT	CTATGGCGGG	2040	i Tanking
GGCTGCCACG GTTGCCTCA	r GTCCCGAGAC	CCCTACTGCG	GCTGGGACCA	GGGCCGCTGC	2100	15.1
ATCTCCATCT ACAGCTCCGA	A ACGGTCAGTG	CTGCAATCCA	TTAATCCAGC	CGAGCCACAC	2160	we de final
AAGGAGTGTC CCAACCCCAA	A ACCAGACAAG	GCCCCACTGC	AGAAGGTTTC	CCTGGCCCCA	2220	
AACTCTCGCT ACTACCTGAG	G CTGCCCCATG	GAATCCCGCC	ACGCCACCTA	CTCATGGCGC	2280	
CACAAGGAGA ACGTGGAGC	A GAGCTGCGAA	CCTGGTCACC	AGAGCCCCAA	CTGCATCCTG	2340	
TTCATCGAGA ACCTCACGG	C GCAGCAGTAC	GGCCACTACT	TCTGCGAGGC	CCAGGAGGGC	2400	
TCCTACTTCC GCGAGGCTC	A GCACTGGCAG	CTGCTGCCCG	AGGACGGCAT	CATGGCCGAG	2460	, s. •
CACCTGCTGG GTCATGCCT				GCTGCCCACA	2520	· · · · · · · · · · · · · · · · · · ·
CTCACTCTTG GCTTGCTGG	r ccacgtgaag	CTTGGGCCCG	AACAAAAACT		2580	
GAGGATCTGA ATAGCGCCG				TCCAGCACAG	2640	
TGGCGGCCGC TCGAGTCTA	G AGGGCCCGTT	TAAACCCGCT			2700	
TCTAGTTGCC AGCCATCTG	T TGTTTGCCCC	TCCCCCGTGC	CTTCCTTGAC	CCTGGAAGGT	2760	
GCCACTCCCA CTGTCCTTT	С СТААТААААТ	GAGGAAATTG	CATCGCATTG	TCTGAGTAGG	2820	
TGTCATTCTA TTCTGGGGG	G TGGGGTGGGG	CAGGACAGCA	AGGGGGAGGA	TTGGGAAGAC	2880	
AATAGCAGGC ATGCTGGGG	A TGCGGTGGGC	TCTATGGCTT	CTGAGGCGGA	AAGAACCAGC	2940	
TGGGGCTCTA GGGGGTATC	C CCACGCGCCC	TGTAGCGGCG	CATTAAGCGC	GGCGGGTGTG	3000	

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GTGGTTACGC GCAGCGTGAC CGCTACACTT GCCAGCGCCC TAGCGCCCCGC TCCTTTCGCT 3060 TTCTTCCCTT CCTTTCTCGC CACGTTCGCC GGCTTTCCCC GTCAAGCTCT AAATCGGGGC 3120 ATCCCTTTAG GGTTCCGATT TAGTGCTTTA CGGCACCTCG ACCCCAAAAA ACTTGATTAG 3180 GGTGATGGTT CACGTAGTGG GCCATCGCCC TGATAGACGG TTTTTCGCCC TTTGACGTTG 3240 GAGTCCACGT TCTTTAATAG TGGACTCTTG TTCCAAACTG GAACAACACT CAACCCTATC 3300 TCGGTCTATT CTTTTGATTT ATAAGGGATT TTGGGGATTT CGGCCTATTG GTTAAAAAAT 3360 GAGCTGATTT AACAAAAATT TAACGCGAAT TAATTCTGTG GAATGTGTGT CAGTTAGGGT 3420 GTGGAAAGTC CCCAGGCTCC CCAGGCAGGC AGAAGTATGC AAAGCATGCA TCTCAATTAG 3480 TCAGCAACCA GGTGTGGAAA GTCCCCAGGC TCCCCAGCAG GCAGAAGTAT GCAAAGCATG 3540 CATCTCAATT AGTCAGCAAC CATAGTCCCG CCCCTAACTC CGCCCATCCC GCCCCTAACT 3600 CCGCCCAGTT CCGCCCATTC TCCGCCCCAT GGCTGACTAA TTTTTTTTAT TTATGCAGAG 3660 GCCGAGGCCG CCTCTGCCTC TGAGCTATTC CAGAAGTAGT GAGGAGGCTT TTTTGGAGGC 3720 CTAGGCTTTT GCAAAAAGCT CCCGGGAGCT TGTATATCCA TTTTCGGATC TGATCAAGAG 3780 ACAGGATGAG GATCGTTTCG CATGATTGAA CAAGATGGAT TGCACGCAGG TTCTCCGGCC 3840 GCTTGGGTGG AGAGGCTATT CGGCTATGAC TGGGCACAAC AGACAATCGG CTGCTCTGAT 3900 GCCGCCGTGT TCCGGCTGTC AGCGCAGGGG CGCCCGGTTC TTTTTGTCAA GACCGACCTG 3960 TCCGGTGCCC TGAATGAACT GCAGGACGAG GCAGCGCGGC TATCGTGGCT GGCCACGACG 4020 GGCGTTCCTT GCGCAGCTGT GCTCGACGTT GTCACTGAAG CGGGAAGGGA CTGGCTGCTA 4080 TTGGGCGAAG TGCCGGGGCA GGATCTCCTG TCATCTCACC TTGCTCCTGC CGAGAAAGTA TCCATCATGG CTGATGCAAT GCGGCGGCTG CATACGCTTG ATCCGGCTAC CTGCCCATTC 4200 and the GACCACCAAG CGAAACATCG CATCGAGCGA GCACGTACTC GGATGGAAGC CGGTCTTGTC 4260 1. 《**注:"您你**我看了这个人,我都能够不够的。" GATCAGGATG ATCTGGACGA AGAGCATCAG GGGCTCGCGC CAGCCGAACT GTTCGCCAGG 4320 12 1/8 1/2 X CTCAAGGCGC GCATGCCCGA CGGCGAGGAT CTCGTCGTGA CCCATGGCGA TGCCTGCTTG 4380 CCGAATATCA TGGTGGAAAA TGGCCGCTTT TCTGGATTCA TCGACTGTGG CCGGCTGGGT 4440 GTGGCGGACC GCTATCAGGA CATAGCGTTG GCTACCCGTG ATATTGCTGA AGAGCTTGGC 4500 GGCGAATGGG CTGACCGCTT CCTCGTGCTT TACGGTATCG CCGCTCCCGA TTCGCAGCGC 4560 ATCGCCTTCT ATCGCCTTCT TGACGAGTTC TTCTGAGCGG GACTCTGGGG TTCGAAATGA 4620 CCGACCAAGC GACGCCCAAC CTGCCATCAC GAGATTTCGA TTCCACCGCC GCCTTCTATG 4680

AAAGGTTGGG CTTCGGAATC GTTTTCCGGG ACGCCGGCTG GATGATCCTC CAGCGCGGGG 4740 ATCTCATGCT GGAGTTCTTC GCCCACCCCA ACTTGTTTAT TGCAGCTTAT AATGGTTACA 4800 AATAAAGCAA TAGCATCACA AATTTCACAA ATAAAGCATT TTTTTCACTG CATTCTAGTT 4860 GTGGTTTGTC CAAACTCATC AATGTATCTT ATCATGTCTG TATACCGTCG ACCTCTAGCT 4920 AGAGCTTGGC GTAATCATGG TCATAGCTGT TTCCTGTGTG AAATTGTTAT CCGCTCACAA 4980 TTCCACACAA CATACGAGCC GGAAGCATAA AGTGTAAAGC CTGGGGTGCC TAATGAGTGA 5040 GCTAACTCAC ATTAATTGCG TTGCGCTCAC TGCCCGCTTT CCAGTCGGGA AACCTGTCGT 5100 GCCAGCTGCA TTAATGAATC GGCCAACGCG CGGGGAGAGG CGGTTTGCGT ATTGGGCGCT 5160 CTTCCGCTTC CTCGCTCACT GACTCGCTGC GCTCGGTCGT TCGGCTGCGG CGAGCGGTAT 5220 CAGCTCACTC AAAGGCGGTA ATACGGTTAT CCACAGAATC AGGGGATAAC GCAGGAAAGA 5280 ACATGTGAGC AAAAGGCCAG CAAAAGGCCA GGAACCGTAA AAAGGCCGCG TTGCTGGCGT 5340 TTTTCCATAG GCTCCGCCC CCTGACGAGC ATCACAAAAA TCGACGCTCA AGTCAGAGGT 5400 GGCGAAACCC GACAGGACTA TAAAGATACC AGGCGTTTCC CCCTGGAAGC TCCCTCGTGC 5460 GCTCTCCTGT TCCGACCCTG CCGCTTACCG GATACCTGTC CGCCTTTCTC CCTTCGGGAA 5520 GCGTGCGCT TTCTCAATGC TCACGCTGTA GGTATCTCAG TTCGGTGTAG GTCGTTCGCT 5580 CCAAGCTGGG CTGTGTGCAC GAACCCCCCG TTCAGCCCGA CCGCTGCGCC TTATCCGGTA 5640 ACTATCGTCT TGAGTCCAAC CCGGTAAGAC ACGACTTATC GCCACTGGCA GCAGCCACTG 5700 GTAACAGGAT TAGCAGAGCG AGGTATGTAG GCGGTGCTAC AGAGTTCTTG AAGTGGTGGC 5760 CTAACTACGG CTACACTAGA AGGACAGTAT TTGGTATCTG CGCTCTGCTG AAGCCAGTTA 5820 CCTTCGGAAA AAGAGTTGGT AGCTCTTGAT CCGGCAAACA AACCACCGCT GGTAGCGGTG 5880 5940 GTTTTTTGT TTGCAAGCAG CAGATTACGC GCAGAAAAAA AGGATCTCAA GAAGATCCTT TGATCTTTTC TACGGGGTCT GACGCTCAGT GGAACGAAAA CTCACGTTAA GGGATTTTGG 6000 TCATGAGATT ATCAAAAAGG ATCTTCACCT AGATCCTTTT AAATTAAAAA TGAAGTTTTA 6060 AATCAATCTA AAGTATATAT GAGTAÄACTT GGTCTGAČAG TTACCAATGC TTAATCAGTG 6120 AGGCACCTAT CTCAGCGATC TGTCTATTTC GTTCATCCAT AGTTGCCTGA CTCCCCGTCG 6180 TGTAGATAAC TACGATACGG GAGGGCTTAC CATCTGGCCC CAGTGCTGCA ATGATACCGC 6240 GAGACCCACG CTCACCGGCT CCAGATTTAT CAGCAATAAA CCAGCCAGCC GGAAGGGCCG 6300 AGCGCAGAAG TGGTCCTGCA ACTTTATCCG CCTCCATCCA GTCTATTAAT TGTTGCCGGG 6360 AAGCTAGAGT AAGTAGTTCG CCAGTTAATA GTTTGCGCAA CGTTGTTGCC ATTGCTACAG 6420

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GCATCGTGGT	GTCACGCTCG	TCGTTTGGTA	TGGCTTCATT	CAGCTCCGGT	TCCCAACGAT	6480
CAAGGCGAGT	TACATGATCC	CCCATGTTGT	GCAAAAAAGC	GGTTAGCTCC	TTCGGTCCTC	6540
CGATCGTTGT	CAGAAGTAAG					6600
ATAATTCTCT	TACTGTCATG	CCATCCGTAA	GATGCTTTTC	TGTGACTGGT	GAGTACTCAA	6660
CCAAGTCATT	CTGAGAATAG	TGTATGCGGC	GACCGAGTTG	CTCTTGCCCG	GCGTCAATAC	6720
GGGATAATAC	CGCGCCACAT	AGCAGAACTT	TAAAAGTGCT	CATCATTGGA	AAACGTTCTT	6780
CGGGGCGAAA	ACTCTCAAGG	ATCTTACCGC	TGTTGAGATC	CAGTTCGATG	TAACCCACTC	6840
			1 91 · 50 · 5			6900
•	**************************************		Salan Color	Person of the	TGAATACTCA	6960
		and the second				7020
		4			TTTCCCCGAA	7080
	· .			# 1 · · · · · · · · · · · · · · · · · ·		7108
AAGTGCCACC	TGACGTCGAC	GGAICGGG				3 0

(2) INFORMATION FOR SEQ ID NO:39:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 4019 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:39:

. . .

CTCCCTGACC CCAGCGCCA GTGGAGGGAC ACCAGGGTCT ATGGTGTTTT CTCCAACCCC 600 TGGAACTACT CAGCCGTCTG TGTGTATTCC CTCGGTGACA TTGACAAGGT CTTCCGTACC 660 720 TCCTCACTCA AGGGCTACCA CTCAAGCCTT CCCAACCCGC GGCCTGGCAA GTGCCTCCCA GACCAGCAGC CGATACCCAC AGAAAGCTTA ATTAGCTGAG CTTGGACTCC TGTTGATAGA 780 TCCAGTAATG ACCTCAGAAC TCCATCTGGA TTTGTTCAGA ACGCTCGGTT GCCGCCGGGÇ 840 arte a la Pare Aleira de Sar GTTTTTTATT GGTGAGAATC CAAGCTAGCT TGGCGAGATT TTCAGGAGCT AAGGAAGCTA 900 AAATGGAGAA AAAAATCACT GGATATACCA CCGTTGATAT ATCCCAATGG CATCGTAAAG 960 AACATTTTGA GGCATTTCAG TCAGTTGCTC AATGTACCTA TAACCAGACC GTTCAGCTGG 1020 ATATTACGGC CTTTTTAAAG ACCGTAAAGA AAAATAAGCA CAAGTTTTAT CCGGCCTTTA 1080 TTCACATTCT TGCCCGCCTG ATGAATGCTC ATCCGGAATT TCGTATGGCA ATGAAAGACG 1140 GTGAGCTGGT GATATGGGAT AGTGTTCACC CTTGTTACAC CGTTTTCCAT GAGCAAACTG 1200 AAACGTTTTC ATCGCTCTGG AGTGAATACC ACGACGATTT CCGGCAGTTT CTACACATAT 1260 ATTCGCAAGA TGTGGCGTGT TACGGTGAAA ACCTGGCCTA TTTCCCTAAA GGGTTTATTG 1320 AGAATATGTT TTTCGTCTCA GCCAATCCCT GGGTGAGTTT CACCAGTTTT GATTTAAACG 1380 TGGCCAATAT GGACAACTTC TTCGCCCCCG TTTTCACCAT GGGCAAATAT TATACGCAAG GCGACAAGGT GCTGATGCCG CTGGCGATTC AGGTTCATCA TGCCGTCTGT GATGGCTTCC ATGTCGGCAG AATGCTTAAT GAATTACAAC AGTACTGCGA TGAGTGGCAG GGCGGGGCGT 1560 AATTTTTTA AGGCAGTTAT TGGTGCCCTT AAACGCCTGG GGTAATGACT CTCTAGCTTG 1620 AGGCATCAAA TAAAACGAAA GGCTCAGTCG AAAGACTGGG CCTTTCGTTT TATCTGTTGT 1680 TTGTCGGTGA ACGCTCTCCT GAGTAGGACA AATCCGCCGC TCTAGAGCTG CCTCGCGCGT 1740 TTCGGTGATG ACGGTGAAAA CCTCTGACAC ATGCAGCTCC CGGAGACGGT CACAGCTTGT 1800 THE COUNTY OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY OF CTGTAAGCGG ATGCCGGGAG CAGACAAGCC CGTCAGGGCG CGTCAGCGGG TGTTGGCGGG 1860 # 1, 1 TGTCGGGGCG CAGCCATGAC CCAGTCACGT AGCGATAGCG GAGTGTATAC TGGCTTAACT 1920 1980 ATGCGGCATC AGAGCAGATT GTACTGAGAG TGCACCATAT GCGGTGTGAA ATACCGCACA GATGCGTAAG GAGAAAATAC CGCATCAGGC GCTCTTCCGC TTCCTCGCTC ACTGACTCGC 2040 TGCGCTCGGT CTGTCGGCTG CGGCGAGCGG TATCAGCTCA CTCAAAGGCG GTAATACGGT 2100 TATCCACAGA ATCAGGGGAT AACGCAGGAA AGAACATGTG AGCAAAAGGC CAGCAAAAGG 2160 CCAGGAACCG TAAAAAGGCC GCGTTGCTGG CGTTTTTCCA TAGGCTCCGC CCCCCTGACG 2220

	AGCATCACAA	AAATCGACGC	TCAAGTCAGA	GGTGGCGAAA	CCCGACAGGA	CTATAAAGAT	2280	
	ACCAGGCGTT	TCCCCCTGGA	AGCTCCCTCG	TGCGCTCTCC	TGTTCCGACC	CTGCCGCTTA	2340	
· .	CCGGATACCT	GTCCGCCTTT	CTCCCTTCGG	GAAGCGTGGC	GCTTTCTCAA	TGCTCACGCT	2400	
	GTAGGTATCT	CAGTTCGGTG	TAGGTCGTTC	GCTCCAAGCT	GGGCTGTGTG	CACGAACCCC	2460	
	CCGTTCAGCC	CGACCGCTGC	GCCTTATCCG	GTAACTATCG	TCTTGAGTCC	AACCCGGTAA	2520	
	GACACGACTT	ATCGCCACTG	GCAGCAGCCA	CTGGTAACAG	GATTAGCAGA	GCGAGGTATG	2580	•
	TAGGCGGTGC	TACAGAGTTC	TTGAAGTGGT	GGCCTAACTA	CGGCTACACT	AGAAGGACAG	2640	
	TATTTGGTAT	CTGCGCTCTG			AAAAAGAGTT	GGTAGCTCTT	2700	
	GATCCGGCAA	ACAAACCACC	GCTGGTAGCG		TGTTTGCAAG	CAGCAGATTA	2760	
	CGCGCAGAAA	AAAAGGATCT	CAAGAAGATC	CTTTGATCTT	TTCTACGGGG	TCTGACGCTC	2820	3.
	AGTGGAACGA	AAACTCACGT	TAAGGGATTT	TGGTCATGAG	АТТАТСАААА	AGGATCTTCA	2880	
	CCTAGATCCT	TTTAAATTAA	AAATGAAGTT	TTAAATCAAT	CTAAAGTATA	TATGAGTAAA	2940	• •
٠.	CTTGGTCTGA	CAGTTACCAA	TGCTTAATCA	GTGAGGCACC	TATCTCAGCG	ATCTGTCTAT	3000	
	TTCGTTCATC	CATAGCTGCC	TGACTCCCCG	TCGTGTAGAT	AACTACGATA	CGGGAGGGCT	3060	
	TACCATCTGG	CCCCAGTGCT	GCAATGATAC	CGCGAGACCC	ACGCTCACCG	GCTCCAGATT	3120	
	TATCAGCAAT	AAACCAGCCA	GCCGGAAGGG	CCGAGCGCAG	AAGTGGTCCT	GCAACTTTAT	3180	
	CCGCCTCCAT	CCAGTCTATT	AATTGTTGCC	: GGGAAGCTAG	AGTAAGTAGI	TCGCCAGTTA	3240	
	ATAGTTTGCG	CAACGTTGTT	GCCATTGCTA	CAGGCATCGI	GGTGTCACGC	CTCGTCGTTTG	3300	
	GTATGGCTTC	ATTCAGCTCC	GGTTCCCAAC	GATCAAGGC	AGTTACATGA	A TCCCCCATGT	3360	
	TGTGCAAAAA	AGCGGTTAGC	TCCTTCGGTC	CTCCGATCG1	TGTCAGAAGI	AAGTTGGCCG	3420	
	CAGTGTTATC	ACTCATGGTT	ATGGCAGCAC	TGCATAATT	TCTTACTGTC	2 ATGCCATCCG	3480	
		TTCTGTGACT	GGTGAGTÁCI	CAACCAAGTO	ATTCTGAGAI	A TAGTGTATGC		
			CCGGCGTCA			A CATAGCAGAA	3600	
		GCTCATCATI	GGAAAACGT	r cttcggggc	AAAACTCTC	A AGGATCTTAC	·3660	
	CGCTGTTGAG	ATCCAGTTC		A CTCGTGCAC	CAACTGATC	I TCAGCATCTT	3720	
	TTACTTTCAC	CAGCGTTTCT	r GGGTGAGCA	A AAACAGGAA	G GCAAAATGC	C GCAAAAAAGG	3780	
• •	GAATAAGGGC	GACACGGAA	A TGTTGAATA	C TCATACTCT	r cctttttca	A TATTATTGAA	3840	
	GCATTTATCA	A GGGTTATTGT	r ctcatgagc	G GATACATAT	r tgaatgtat	T TAGAAAAATA	3900	,
	AACAAATAGG	GGTTCCGCGC	C ACATTTCCC	C GAAAAGTGC	C ACCTGACGT	C TAAGAAACCA	3960	•

(2) INFORMATION FOR SEQ ID NO:40:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 3999 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic) and with a second the second the

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:40:

(XI) SEQUENCE DESCRIPTION: SEQ ID NO:40:	
CTCGAGAAAT CATAAAAAAT TTATTTGCTT TGTGAGCGGA TAACAATTAT AATAGATTCA	60
ATTGTGAGCG GATAACAATT TCACACAGAA TTCATTAAAG AGGAGAAATT AACTATGAGA	120
GGATCGCATC ACCATCACCA TCACACGGAT CCGCATGCGA GCTCCCAGTG GGAGGTGAGC	180
CAGGTGCCCC TGGACCTGTG TGAGGTCTAT GGCGGGGGCT GCCACGGTTG CCTCATGTCC	240
CGAGACCCCT ACTGCGGCTG GGACCAGGGC CGCTGCATCT CCATCTACAG CTCCGAACGG	300
TCAGTGCTGC AATCCATTAA TCCAGCCGAG CCACACAAGG AGTGTCCCAA CCCCAAACCA	360
GACAAGGCCC CACTGCAGAA GGTTTCCCTG GCCCCAAACT CTCGCTACTA CCTGAGCTGC	420
CCCATGGAAT CCCGCCACGC CACCTACTCA TGGCGCCACA AGGAGAACGT GGAGCAGAGC	480
TGCGAACCTG GTCACCAGAG CCCCAACTGC ATCCTGTTCA TCGAGAACCT CACGGCGCAG	540
CAGTACGGCC ACTACTTCTG CGAGGCCCAG GAGGGCTCCT ACTTCCGCGA GGCTCAGCAC	600
TGGCAGCTGC TGCCCGAGGA CGGCATCATG GCCGAGCACC TGCTGGGTCA TGCCTGTGCC	660
CTGGCTGCCT CCCTCTGGCT GGGGGTGCTG CCCACACTCA CTCTTGGCTT GCTGGTCCAC	720 Democratical
GTGAAGCTTA ATTAGCTGAG CTTGGACTCC TGTTGATAGA TCCAGTAATG ACCTCAGAAC	780
TCCATCTGGA TTTGTTCAGA ACGCTCGGTT GCCGCCGGGC GTTTTTTATT GGTGAGAATC	840
CAAGCTAGCT TGGCGAGATT TTCAGGAGCT AAGGAAGCTA AAATGGAGAA AAAAATCACT	900
GGATATACCA CCGTTGATAT ATCCCAATGG CATCGTAAAG AACATTTTGA GGCATTTCAG	960
TCAGTTGCTC AATGTACCTA TAACCAGACC GTTCAGCTGG ATATTACGGC CTTTTTAAAG	1020
ACCGTAAAGA AAAATAAGCA CAAGTTTTAT CCGGCCTTTA TTCACATTCT TGCCCGCCTG	1080
ATGAATGCTC ATCCGGAATT TCGTATGGCA ATGAAAGACG GTGAGCTGGT GATATGGGAT	1140
AGTGTTCACC CTTGTTACAC CGTTTTCCAT GAGCAAACTG AAACGTTTTC ATCGCTCTGG	1200

AGTGAATACC ACGACGATTT CCGGCAGTTT CTACACATAT ATTCGCAAGA TGTGGCGTGT 1260 TACGGTGAAA ACCTGGCCTA TTTCCCTAAA GGGTTTATTG AGAATATGTT TTTCGTCTCA 1320 GCCAATCCCT GGGTGAGTTT CACCAGTTTT GATTTAAACG TGGCCAATAT GGACAACTTC 1380 TTCGCCCCCG TTTTCACCAT GGGCAAATAT TATACGCAAG GCGACAAGGT GCTGATGCCG 1440 CTGGCGATTC AGGTTCATCA TGCCGTCTGT GATGGCTTCC ATGTCGGCAG AATGCTTAAT 1500 GAATTACAAC AGTACTGCGA TGAGTGGCAG GGCGGGGCGT AATTTTTTTA AGGCAGTTAT 1560 TGGTGCCCTT AAACGCCTGG GGTAATGACT CTCTAGCTTG AGGCATCAAA TAAAACGAAA 1620 GGCTCAGTCG AAAGACTGGG CCTTTCGTTT TATCTGTTGT TTGTCGGTGA ACGCTCTCCT 1680 DAG - MOLECULARIO S GAGTAGGACA AATCCGCCGC TCTAGAGCTG CCTCGCGCGT TTCGGTGATG ACGGTGAAAA 1740 CCTCTGACAC ATGCAGCTCC CGGAGACGGT CACAGCTTGT CTGTAAGCGG ATGCCGGGAG 1800 CAGACAAGCC CGTCAGGGCG CGTCAGCGGG TGTTGGCGGG TGTCGGGGCG CAGCCATGAC 1860 CCAGTCACGT AGCGATAGCG GAGTGTATAC TGGCTTAACT ATGCGGCATC AGAGCAGATT 1920 GTACTGAGAG TGCACCATAT GCGGTGTGAA ATACCGCACA GATGCGTAAG GAGAAAATAC 1980 CGCATCAGGC GCTCTTCCGC TTCCTCGCTC ACTGACTCGC TGCGCTCGGT CTGTCGGCTG 2040 CGGCGAGCGG TATCAGCTCA CTCAAAGGCG GTAATACGGT TATCCACAGA ATCAGGGGAT 2100 111 13 - 176 AACGCAGGAA AGAACATGTG AGCAAAAGGC CAGCAAAAGG CCAGGAACCG TAAAAAAGGCC 2160 GCGTTGCTGG CGTTTTTCCA TAGGCTCCGC CCCCCTGACG AGCATCACAA AAATCGACGC 2220 TCAAGTCAGA GGTGGCGAAA CCCGACAGGA CTATAAAGAT ACCAGGCGTT TCCCCCTGGA 2280 AGCTCCCTCG TGCGCTCTCC TGTTCCGACC CTGCCGCTTA CCGGATACCT GTCCGCCTTT 2340 CTCCCTTCGG GAAGCGTGGC GCTTTCTCAA TGCTCACGCT GTAGGTATCT CAGTTCGGTG 2400 The second second second TAGGTCGTTC GCTCCAAGCT GGGCTGTGTG CACGAACCCC CCGTTCAGCC CGACCGCTGC 2460 ·名称如 一位为第二数据第二位 中位 APP 11.7% 2520 GCCTTATCCG GTAACTATCG TCTTGAGTCC AACCCGGTAA GACACGACTT ATCGCCACTG 111 4 GCAGCAGCCA CTGGTAACAG GATTAGCAGA GCGAGGTATG TAGGCGGTGC TACAGAGTTC 2580 41. 5 TTGAAGTGGT GGCCTAACTA CGGCTACACT AGAAGGACAG TATTTGGTAT CTGCGCTCTG 2640 CTGAAGCCAG TTACCTTCGG AAAAAGAGTT GGTAGCTCTT GATCCGGCAA ACAAACCACC 2700 2760 GCTGGTAGCG GTGGTTTTTT TGTTTGCAAG CAGCAGATTA CGCGCAGAAA AAAAGGATCT CAAGAAGATC CTTTGATCTT TTCTACGGGG TCTGACGCTC AGTGGAACGA AAACTCACGT 2820 TAAGGGATTT TGGTCATGAG ATTATCAAAA AGGATCTTCA CCTAGATCCT TTTAAATTAA 2880

AAATGAAGTT	TTAAATCAAT	CTAAAGTATA	TATGAGTAAA	CTTGGTCTGA	CAGTTACCAA	2940
TGCTTAATCA	GTGAGGCACC.	TATCTCAGCG	ATCTGTCTAT	TTCGTTCATC	CATAGCTGCC	3000
TGACTCCCCG	TCGTGTAGAT	AACTACGATA	CGGGAGGGCT	TACCATCTGG	CCCCAGTGCT	3060
GCAATGATAC	CGCGAGACCC	ACGCTCACCG	GCTCCAGATT	TATCAGCAAT	AAACCAGCCA	3120
GCCGGAAGGG	CCGAGCGCAG	AAGTGGTCCT	GCAACTTTAT	CCGCCTCCAT	CCAGTCTATT	3180
AATTGTTGCC	GGGAAGCTAG	AGTAAGTAGT	TCGCCAGTTA	ATAGTTTGCG	CAACGTTGTT	3240
GCCATTGCTA	CAGGCATCGT	GGTGTCACGC	TCGTCGTTTG	GTATGGCTTC	ATTCAGCTCC	3300
GGTTCCCAAC	GATCAAGGCG ¹	AGTTACATGA	TCCCCCATGT	TGTGCAAAAA	AGCGGTTAGC	3360
TCCTTCGGTC	CTCCGATCGT	TGTCAGAAGT	AAGTTGGCCG	CAGTGTTATC	ACTCATGGTT	3420
ATGGCAGCAC	TGCATAATTC	TCTTACTGTC	ATGCCATCCG	TAAGATGCTT	TTCTGTGACT	3480
GGTGAGTACT	CAACCAAGTC	ATTCTGAGAA	TAGTGTATGC	GGCGACCGAG	TTGCTCTTGC	3540
CCGGCGTCAA	TACGGGATAA	TACCÉCGCCA	CATAGCAGAA	CTTTAAAAGT	GCTCATCATT	3600
GGAAAACGTT	CTTCGGGGCG	AAAACTCTCA	AGGATCTTAC	CGCTGTTGAG	ATCCAGTTCG	3660
ATGTAACCCA	CTCGTGCACC	CAACTGATCT	TCAGCATCTT	TTACTTTCAC	CAGCGTTTCT	3720
GGGTGAGCAA	AAACAGGAAG	GCAAAATGCC	GCAAAAAAGG	.GAATAAGGGC	GACACGGAAA	3780
TGTTGAATAC	TCATACTCTT	CCTTTTTCAA	TATTATTGAA	GCATTTATCA	GGGTTATTGT	3840
CTCATGAGCG	GATACATATT	TGAATGTATT	TAGAAAAATA	AACAAATAGG	GGTTCCGCGC	3900
ACATTTCCCC	GAAAAGTGCC	ACCTGACGTC	TAAGAAACCA	TTATTATCAT	GACATTAACC	3960
ТАТАААААТА	GGCGTATCAC	GAGGCCCTTT	CGTCTTCAC	vier e		3999

(2) INFORMATION FOR SEQ ID NO:41:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 8888 base pairs
 - (B) TYPE: nucleic acid and Broke Tolerand
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ. ID NO:41:

GAGCCGCACA CGGTGCTTTT CCACGAGCCA GGCAGCTCCT CTGTGTGGGT GGGAGGACGT 60

GGCAAGGTCT ACCTCTTTGA CTTCCCCGAG GGCAAGAACG CATCTGTGCG CACGGTGAGC 120

CTCTCTCTTC	CCCCAACACC	CCCCTACCC	TCTTATCTCC	CCTCTGGCCC	TGCCAAGGGT	180
CCTCAGGGAA	TCCGAGGGAG	CTGGCTTCTC	TTCCTAAACT	GCCCCCACCT	CCGTATCCTA	240
TAAATGGCTC	CTGGGGGAGG	CTCCCTAAAG	GTAGTCCAGA	TTGGAGTGGG	GAGCTGGGGC	300
GGTGTGGAGA	AAAACAGGAG	CTAATGGGCC	TGGCCAGCTG	GGCAGCGCTG	CTGCGGAAAG	360
CCCAGGCTGG	AAGCTGGGCC	CCAGAGCCCA	TGCCTGGTCT	TCTGAACCCT	CTGGGCCTCA	420
GCTCTGGATA	TGAGACCCTG	TTTGACCTCA	GGTAGATCAC	TCACCCTCTC	AGAGCCCCAG	480 % 3 % 3 %
TTGCTCATCT	GTCAGATGAG	AATAATGGTT	GCTTCCTTTG	GGGCTTATCC	TGAGGCTGTG	540
TGGAAAGCAT	TTCAGGGGTA	CCTCACCCCT	GGCAGATTGA	ACTAATGCTT	CTCCCCTTCC	600
CCAGGTGAAT	ATCGGCTCCA	CAAAGGGGTC	CTGTCTGGAT	AAGCGGGTGA	GCGGGGGAGG.	660
GATCTGGAGG	GGTCTGAGCC	ACTTGGTAAA	GGGAGAGGAG	ACCCTGAGGG	TCTAAGGAAG	720
GAAGCATGGC	CCTGCCCCAC	GAGTCCCAGA	CTGATGGGGA	GACGTGGTCC	TCTGTGCTTA	₹ 780 ₹1 . \$93
GGGGATGGCG	TCAGCTGCAC	ACACTCTGGG	CTGTCCCGGG	AGGCTGTCAC	CTATGCTAAG	840
CCCTTCTGAC	ACCTTCTTCC	CTGATCCTGG	GGGTCCTAGT	GCTAGGCTTG	CCAGGGCCTT	900
CCAGCAACCA	ATTTCTCTCC	TCCCTTCTCT	CTTCCCCGGG	CAGGACTGCG	AGAACTACAT	960
CACTCTCCTG	GAGAGGCGGA	GTGAGGGGCT	GCTGGCCTGT	GGCACCAACG	CCCGGCACCC	1020
CAGCTGCTGG	AACCTGGTGA	GAAGGCTGCT	CCCCATGTGC	CTGATCAGCT	CACCTTCTAC	1080
TGCGTGGGCT	TCTGCCCCTC	ATGGTGGGAA	GGAGATGGCG	AGACTCCAAT	GCTGGCCTTG	1140
CCCTGGGAGG	ATGGGGCTCC	TGGCCGAGAA	CACTGGCCGTC	: ATGGGAGGCA	GTGGCTGTGG	1200
GATTATGTGG	CGATCCAACC	CTCTGGATCT	CCCACAGGT	AATGGCACTG	TGGTGCCACT	1260
TGGCGAGATG	AGAGGCTACG	CCCCCTTCAG	CCCGGACGAG	AACTCCCTGG	TTCTGTTTGA	1320
AGGTTGGGGC	ATGCTTCGGA	ACTGGGCTGG	GAGCAGGAT	GTCAGCTCT	T TGTCCAGTGT	1380
CCGGAGGAGG	GACTTCCAGG	AGCTGCCTGC	CCTTACTCAT		CACTGACCCC	1440
AGGGGACGAG	GTGTATTCC	CCATCCGGA	GCAGGAATA	C AATGGGAAGA	A TCCCTCGGTT	1500
CCGCCGCATC	CGGGGCGAG	A GTGAGCTGT	A CACCAGTGA	r actgtcatgo	CAGAGTGAGTC	1560
AGGCTCCGGC	TGGGCTGAG	GTGGGCAAG	GGGTGTGAG	C ACTTAAGGT	G GCAGATGGGA	1620
TCCTGATGTT	TCTGGGAGG	CTCCCTGAG	GCCGCTGGG	G CCATGCAGG	A AAGCAGGACC	1680
TTGGTATAGG	CCTGAGAAG	TAGGGTTGG	TGGGAGCAG	A GGAACAGAC	A AGGTATAGCA	1740
GTGGGATGG	CCCAGCCCT	C TTCAGGAAC	A CAAACAGAG	G GAGCCCCAG	A CCCAGTGCAG	1800
GGTCCCCAG	AGCCAAAGT	TATCCTCTG	C TGAGTTCAC	G TGGAGGCAG	C CCCCCAACTC	1860

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CCTCCTCATC AGGGCTCTGC	CAATTGAGCA	GAAGTGACAT	AGGGGCCCCC	AGGGACCTTC	1920
CCCCACTCCC CAGGCATGAA	GTCATTGCTC	CTGGGCCGAT	GACATCTTTG	TAGGAAGAGG	1980.
-GCAAAACAGG TGTGGGGTGG	AGGTGCAGGG	TCTAGGGCCC	CTCGGGGAGT	TGGACCTGAT	2040
GTTATGAGTC CTATTCCAGA	TCTGATTTGC	CATGGTTTGT	GCAGACCCGA	AGGAGGGAGG	2100 713 - 74 - 1174 - 118
AGAGTGTGCA GGGTTGGAAT					2160
TCTGTGCCCT GGCAGACCCA	CAGTTCATCA				2220
ACGATGACAA GATCTACTAC	TTCTTCCGAG	AGGACAATCC	TGACAAGAAT	CCTGAGGCTC	2280
CTCTCAATGT GTCCCGTGTG	GCCCAGTTGT	GCAGGGTGAA		AGGGCTGCTG	2340
COMP COMORD MOROCO MORA					y control (Mark Marting) is 100 miles
GCTACGTGTC TGTGCATGAA	TAGGCCTGAG	TGAGGGTGAG	TTCTGTGTGT	CCGTGTGCAT	2400
GTAGAAGTTG TGTGGATGTA	TGAGTGGGTC		ACTGTGGGAG	CAGCTGTGTG	2460
TGCATGGAGC ATCATGTGTC	TGTGTGTGG	TAAAGGTGGC	ТСАССТССТС	ТССАССТАТС	2520
ATGGCGTGTG AGCGTGTGTA	TGATGGGGTG	TGTGTGTGTG	TGTGTGTGTG	TGTTTTGCCT	2580
GTGTGAATGT GCTGTGCCAC	GTATGTGGGT	GCGTGAGTCA	GTAAATGTGT	GTCTGAGTCC	2640
GTCTGCTCTG TGGGGACCTG	GCACTCTCAC		CCTGGGCACT	GCTGGCCCTG	2700
GGCTCTGGAT CAGCCAGGCC	TGCTTGCAGG	AGTCTCATCT	GGAGACCTGC	CCTGAGTCCT	2760
GGGGCACCCC CGGCAGGTCC	TGGCCCCTCG	CAGCCTGCCT	TCCTCCTCTG	GGCCCAGGTG	2820
TTGATATTGC TGGCAGTGGT	, 	CTCTTCCCC A	aaaaaaaaa	COMMON COM	2000
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GCCTCTTCTC CCCTCTACCC	TTCCAGGGGG	ACCAGGGTGG	GGAAAGTTCA	CTGTCAGTCT	2940
CCAAGTGGAA CACTTTTCTG		TGGTATGCAG		ACCAACAAGA	3000
ACTTCAACAG GCTGCAAGAC	GTCTTCCTGC		CAGCGGCCAG	TGGAGGGACA	3060
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CCAGGGTCTA TGGTGTTTTC					3120
TGGCATTGGT TCAGTGTCCA					3180
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GGTGTGGCAG GAGCAGGGGC	TGCAGGCTCA	AGAGGCTGGG	CTGTTGCTGG	GTGTGGGGTG	3240
GGGGACAGC CAGTGCGATG	TATGTACTGT	TGTGTGAGTG	AGTCTGCACT		3300
TGTGCATGCC CTATATGCAC	ACTCATGACT	GCACTTGTGC	CTGTGTGTCC	CACCACCTGC	3360
TTGTGCCGAG AGTGGACACT			GAAGCATCTC		3420
GGGTGCTATT ACACCTGCTC	AGGCACTGCC	TGAGCCCGAT	AATTCACACT	TCTTAATCAC	3480
TCTCATTGAT TGAACACAC	GCAGGCGGAA	GTGTTGGGTG	TGTGTGGGGA	GAGTTAGGGA	3540

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TAGAGTGGAG	GAAGCCAAGA	CCCTGCTCTG	TGGCTCCTGG	GTGAGTGGGT	CCCCAGGCT	3600
GGGAAGGGGT	TGGGGGTCTG	GCCTCCTGGG	GCATCAGCAC	CCCACAGCCT	GTGCCCAGGG	3660
AGGGCTAGAG	AACTGCTCAG	CCTATGATGG	GGTTCCTCCT	GCCTTGGGGT	TGGGTAGAGC	3720
AGATGGCCTC	TAGACTCAGT	GATTCTGTAA	CAGGATACAA	GTTTGTGGTT	TTAAATTGCA	3780
GCACAAAGAA	ATTAGGCTGA	ACTCCTCTCC	TTCCTCCTCT	CCATCCCTCC	CCATTTTCAG	3840
TGGTGGTTGG	CAACTCAGTG	CCAGGCACAA	GGCTGGCCTG	GGTGAGTGGA	GGTGGATGGG	1900 3900
		1. P.		GCAGGAACTA		3960
			÷ · ·	CCTCCTCACT	A STATE OF THE STA	4020
IGIGIGIAII		CATIGACAAG				
CACTCAAGCC				TGACACCAGC	CGTGGCCCAG	4080
	arear S	er e		T \$ 1 29 2		
GCCCAGCCCT	CCTTCTGCCT	CACCTCCCAC	CACCCCACTG	ACCTGGGCCT	GCTCTCCTTG	4140
CCCAGTGCCT	CCCAGACCAG	CAGCCGATAC	CCACAGAGAC	CTTCCAGGTG	GCTGACCGTC	
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ACCCAGAGGT	GGCGCAGAGG	GTGGAGCCCA	TGGGGCCTCT	GAAGACGCCA	TTGTTCCACT	4260
CTAAATACCA	CTACCAGAAA	GTGGCCGTCC	ACCGCATGCA	AGCCAGCCAC	GGGGAGACCT	4320
TTCATGTGCT	TTACCTAACT	' ACAGGTGAGA	GGCTACCCCG	GGACCCTCAG	TTTGCTTTGT	4380
				* 4		range in the second of the sec
AAAAACGGGC	ATGAAAGGTG		TGTAGTTAAC	ATCTGGTTGG	ATCTTTACAT	4440
GTGGAAGGAA	TAATTGAGTG			ATGTGTGTGG	GTGTGGAAGA	4500
GCCAGGCAGG	GAGAGCTTCC	TGGAGGAGGT	AGGGGCAAGA	GGGAAAGGGG	GATGGGAGAA	4560
AAGCAAGCAC	TGGGATTTGG	G AGGCGGAAAT	CTGGAGAGTC	TGAGCAAAGC	CAGGTGCACC	4620
TTTGGTCCAG	ATGTCTGACT	CAGGGAAGAA	GATGGTAGGA	AGAGACGTGG	CAAATGAGGA	4680
		. 4			, 20002200000	4740
GGAGGGGCCT	GAACCACAGG	GATACTGGCC	TCTGCCAGGC	: AGAATGAGGG	AGTCAGGCCC	4740
TGCGCCTGTC	TTTGGGATTC	TGCAGGTGAG	AAGAAACATI	TGAGGAGTTG	ATGGGGCACA	4800 ***********************************
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GGCAGCTTCT	CTTCTTCCC	r ggagtaggco	CTGCTGGGG	B AAGCTGGGTG	GAATGCCGTG	4920
GGAGATGCTC	CTGCTTTCT		GGACACGGAC	GAGCCAGTCC	TGAGTTGGGT	4980
TTGTCGCAGC	TTCCCATGC	C AGCTGCCTT	CTTGAGACT	G GAAAGGGCCT	CTAGCACCCC	5040
TGGGGCCATT	CAATTCAGG	CCAGGCGCC	AACCTCAGT	T GTTCACATTO	CCCATGTGAT	5100
CTCCTGTTGC	C TGCTTCACC	r tgggactgt	TCGGCTTTG	G TGACCTTGTA	A GGAAACTGGA	5160
ACCCCAGCAC	CATTGTTTG	G CTCCTGGAA	G CCTTGGGGA	G AGGAATTTCO	C CACAGGGCAG	5220
					C ACCCTTGGGC	5280

CCCCATCCTT GCTTGGCTCC AGTACTGGCT GGCACAGCTG TTGTGGTCAT CCAGGGATGG 5340 CAGGGCACTG GGGAACAGAA GAGAGAGGTC ACACAGTGCG GAACTGGGAG CAGGAGCTAG 5400 GACAAGGAAG GCTGGACTTG GGCCATGGAT TCCCTTCCTG CAGACTTGGG AAGTGAGCAC 5460 ACTTGAGTGA TTAGAGAAGG TGTCTTCGTT CTAAGGGCAG TGGAGGAGGC ACCATTTTGG 5520 AGCCTGCATC ATTCGTATTT GGGCTAGATT GAAAAATAGA GCTTTCTAAG TCCTCTGCAG 5.580 AGAATGGGAG GCTCTCACAA CTGGGAGAAG TATTGGCTCT TTTCCTGAGA ATTTTGCCAA 5640 GGGTATGCTG TTACTGGGGC TGGTTTGGAA GGAGTATAGG GCATTATGTC TGTGAAGGCA 5700 GTGGCTGGGG TGGGGCCTTA TCAGGCCCAA GGAGCATCTG GCCACATCTC AGAGTCCACA 5760 Language State Com GATGAGGATC ACGGATGTGT AGAGGAAACA TCCTAGGCAG GCAATCATCT GACTGCTTTT 5820 TTGGGGCAGG TGATGCCCTG GGAAATTGGG AGGGAGGGA AGAGGGAGGT AGGCTATTCT 5880 AGAAACTGGG AGAGCAGGTG AGGTAGGATT GGGAGGACCA GGGGTCAGGG TCCCCATTGG 5940 1300 TCCCTAATTG AGAACGGAGA GAGCATTGGT CTAGGAGGCA GGCAGCTCGG TTATAAGACC 6000 TTGGGAACTC TTGATTTAGA ATCCAAGATC CTTTTTAGAT CTAGGATTTT ATAAAATTAA 6060 GATATCCCCT AAGATCAAAT GCAACGTGGA GTCCTGAATT GGATCCTAGA ACAGAAGAAG 6120 GACATTTGTG GAAAAACTAG TGAAATCCAA ATAAAGTCTG TAGTTTTGTT AATAGTAATG 6180 CACCAATGTC AGTTGCCTAG TTGTGACAAA TATACCGTGG TTATGTAAGA TGGTAACATT 6240 AGGGGGAACT GGAGAAGGGT AGATTGGAGC TCTCTGTACT ATCTTTGCAA CTTTTCTGGG 6300 AATCTAAAAT TACTCCAAAA TAAAAAAAA ATGTATTTAA AGTAAATATA TTCCCTAAGA 6360 GTCCAGGAGG CAGGGGAGTT GTAGAAGCAG CTGAGTGGTT GGGTTCTGAC AGATTTGGTT 6420 CCAACTCGGT CTCTGCTGCT CACCAGCTGT GTGACCTTGA GCAAGTGGCT TAGCCTTTCT 6480 速度 差 GAGCCTGATT TCCTTATCTG TGGAGTGGGG AAGATGACAG CCACCTCGCA GGGCTGTGGA 6540 entingers on appropriation, in the + 海魚泉 GGGTTAAACG AGGTGATGCA TGGACAGCAG CCGCACTGAC CTTGCTGGTG TGGGGCTCCT 6600 GCTTCTGTTC TTCCCGTGCA GCCTTGGGAA TGTTGGAGGC CGTATCCAGG GACCCCTGGG 6660 CCTCCTGGGA TGGCCTCTCT GGATCAGCCT TGGAAGGTTC CAGGCTGCCC TTAGGCTCCC 6720 ACATTCTTCC CCAGTCACGC TCTCCTCGCC CTGCCCACAC CAGTCCTGTG ACCCTTGCCT 6780 GAGTTGTGAC TTCCCACCCC TCCCCGGCCT AGAGGAAAGC-TGCCTGGCCC CTCAGTGGGA 6840 CTCCCGCCCA CTGACCCTCT GTCCACCATA CACAGACAGG GGCACTATCC ACAAGGTGGT 6900 GGAACCGGGG GAGCAGGAGC ACAGCTTCGC CTTCAACATC ATGGAGATCC AGCCCTTCCG 6960

CCGCGCGCT GCCATCCAGA CCATGTCGCT GGATGCTGAG CGGGTGAGCC TT	CCCCCACT	7020
GCGTCCCATG GGCTATGCAG TGACTGCAGC TGAGGACAGG GCTCCTTTGC AT	GTGATTTG	7080
TGTGTTCTTT TAAGAGCTTC TAGGCCTTAG GGCCTGGACA TTTAGGACTG AG	TGTGGGGT	7140
GGGGCCCGGG CCTGACCCAA TCCTGCTGTC CTTCCAGAGG AAGCTGTATG TG	SAGCTCCCA	7200
GTGGGAGGTG AGCCAGGTGC CCCTGGACCT GTGTGAGGTC TATGGCGGGG GC	CTGCCACGG	7260
TTGCCTCATG TCCCGAGACC CCTACTGCGG CTGGGACCAG GGCCGCTGCA TC	CTCCATCTA	7320
CAGCTCCGAA CGGTACGTTG GCCGGGATCC CTCCGTCCCT GGGACAAGGT GG	GCATGGGA	7380
CAGGGGGAGG TGTTGTCGGG CTGGAAGAGG TGGCGGTACT GGGCCTTTCT TG	GTGGGACCT	7440
CCTCTCTACT GGAACTGCAC TAGGGGTAAG GATATGAGGG TCAGGTCTGC AG	SCCTTGTAT	7500
CTGCTGATCC TCTTTCGTCC TTCCCACTCC AGGTCAGTGC TGCAATCCAT TA	AATCCAGCC	7560
GAGCCACACA AGGAGTGTCC CAACCCCAAA CCAGGTACCT GATCTGGCCC TG	GCTGGCGGC	7620
TGTGGCCCAA TGAGTGGGGT ACTGCCCTGC CCTGATTGTC CTGGTCTGAG GG	GAAACATGG	7680
CCTTGTCCTG TGGGCCCCAG GTACATGGGG CAGGATACAG TCCTGCAGAG GG	GAGCCCTCT	7740
TGGTGGGATG AGCGAGACGG GAGAAAAAAG GAGGACGCTG AGGGCTGGGT TC	CCCCACGTT	7800
CATTCAGAAG CCTTGTCCTG GGATCCCAGT CGGTGGGGAG GACACATCCT CC	CCCTGGGAG	7860
CTCTTTGTCC CTCCTCACGG CTGCTTCCCC ACTGCCTCCC CAGACAAGGC CC	CCACTGCAG	7920
AAGGTTTCCC TGGCCCCAAA CTCTCGCTAC TACCTGAGCT GCCCCATGGA AT	TCCCGCCAC	7980
GCCACCTACT CATGGCGCCA CAAGGAGAAC GTGGAGCAGA GCTGCGAACC TO	GGTCACCAG	8040
AGCCCCAACT GCATCCTGTT CATCGAGAAC CTCACGGCGC AGCAGTACGG CC	CACTACTTC	8100
TGCGAGGCCC AGGAGGGCTC CTACTTCCGC GAGGCTCAGC ACTGGCAGCT GC	CTGCCCGAG	8160
GACGGCATCA TGGCCGAGCA CCTGCTGGGT CATGCCTGTG CCCTGGCCGC CT		
CTGGGGGTGC TGCCCACACT CACTCTTGGC TTGCTGGTCC ACTAGGGCCT CC	CCGAGGCTG	8280
GGCATGCCTC AGGCTTCTGC AGCCCAGGGC ACTAGAACGT CTCACACTCA GA		8340
GCCCGGGAGC TCCTTGCCTG CCACTTCTTC CAGGGGACAG AATAACCCAG TC	GGAGGATGC	8400
CAGGCCTGGA GACGTCCAGC CGCAGGCGGC TGCTGGGCCC CAGGTGGCGC AC	CGGATGGTG	8460
AGGGGCTGAG AATGAGGGCA CCGACTGTGA AGCTGGGGCA TCGATGACĆC AA	AGACTTTAT	8520
CTTCTGGAAA ATATTTTCA GACTCCTCAA ACTTGACTAA ATGCAGCGAT GO	CTCCCAGCC	8580
CAAGAGCCCA TGGGTCGGGG AGTGGGTTTG GATAGGAGAG CTGGGACTCC A	TCTCGACCC	8640
TGGGGCTGAG GCCTGAGTCC TTCTGGACTC TTGGTACCCA CATTGCCTCC T	TCCCCTCCC	8700

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TGAAGGATGT	TTGCTTTCCG	GACGGAAGGA	CGGAAAAAGC	TCTGAAAAAA	АААААААА	8880
GTCCTCTGCA	GCTCCCTCTC	TGGTCCTGGG	TCCCACAGGA	CAGCCGCCTT	GCATGTTTAT	8820
TCTCTCATGG	CTGGGTGGCT	GGTGTTCCTG	AAGACCCAGG	GCTACCCTCT	GTCCAGCCCT	8760

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(2) INFORMATION FOR SEQ ID NO: 42: (4) A COMPANY OF A COM

- (i) SEQUENCE CHARACTERISTICS: STATE OF THE S
 - (A) LENGTH: 6622 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: Tinear At the state of the sta

(ii) MOLECULE TYPE: DNA (genomic) - TWO THIS TO LARGE AND A HER WOLL IN THE

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:42:

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GATATCATGG	AGATAATTAA	AATGATAACC	ATCTCGCAAA	TAAATAAGTA	TTTTACTGTT	60
TTCGTAACAG	TTTTGTAATA	AAAAAACCTA	TAAATATGAA	ATTCTTAGTC	AACGTTGCCC	120
TTGTTTTTAT	GGTCGTATAC	ATTTCTTACA	TCTATGCGGA	TCGATGGGGA	TCCGCCCAGG	180
GCCACCTAAG	GAGCGGACCC	CGCATCTTCG	CCGTCTGGAA	AGGCCATGTA	GGGCAGGACC	240
GGGTGGACTT	TGGCCAGACT	GAGCCGCACA	CGGTGCTTTT	CCACGAGCCA	GGCAGCTCCT	300
CTGTGTGGGT	GGGAGGACGT	GGCAAGGTCT	ACCTCTTTGA	CTTCCCCGAG	GGCAAGAACG	360
CATCTGTGCG	CACGGTGAAT	ATCGGCTCCA	CAAAGGGGTC	CTGTCTGGAT	AAGCGGGACT	420
GCGAGAACTA	•	CTGGAGAGGC	GGAGTGAGGG	GCTGCTGGCC	TGTGGCACCA	480
ACGCCCGGCA		TGGAACCTGG				540
	TGCCCCCTTC	AGCCCGGACG	AGAACTCCCT			600
		AAGCAGGAAT		GATCCCTCGG	TTCCGCCGCA	660
TCCGGGGCGA	GAGTGAGCTG	TACACCAGTG	ATACTGTCAT	GCAGAACCCA	CAGTTCATCA	720
AAGCCACCAT	CGTGCACCAA	GACCAGGCTT	ACGATGACAA	GATCTACTAC	TTCTTCCGAG	780
AGGACAATCC	TGACAAGAAT	CCTGAGGCTC	CTCTCAATGT	GTCCCGTGTG	GCCCAGTTGT	840
GCAGGGGGA	CCAGGGTGGG	GAAAGTTCAC	TGTCAGTCTC	CAAGTGGAAC	ACTTTTCTGA	900
AAGCCATGCT	GGTATGCAGT	GATGCTGCCA	CCAACAAGAA	CTTCAACAGG	CTGCAAGACG	960
TCTTCCTGCT	CCCTGACCCC	AGCGGCCAGT	GGAGGGACAC	CAGGGTCTAT	GGTGTTTTCT	1020

CCAACCCCTG GAACTACTCA GCCGTCTGTG TGTATTCCCT CGGTGACATT GACAAGGTCT 1080 TCCGTACCTC CTCACTCAAG GGCTACCACT CAAGCCTTCC CAACCCGCGG CCTGGCAAGT 1140 GCCTCCCAGA CCAGCAGCCG ATACCCACAG AGACCTTCCA GGTGGCTGAC CGTCACCCAG 1200 AGGTGGCGCA GAGGGTGGAG CCCATGGGGC CTCTGAAGAC GCCATTGTTC CACTCTAAAT 1260 ACCACTACCA GAAAGTGGCC GTTCACCGCA TGCAAGCCAG CCACGGGGAG ACCTTTCATG 1320 TGCTTTACCT AACTACAGAC AGGGGCACTA TCCACAAGGT GGTGGAACCG GGGGAGCAGG 1380 AGCACAGCTT CGCCTTCAAC ATCATGGAGA TCCAGCCCTT CCGCCGCGCG GCTGCCATCC 1440 AGACCATGTC GCTGGATGCT GAGCGGAGGA AGCTGTATGT GAGCTCCCAG TGGGAGGTGA · 1500 GCCAGGTGCC CCTGGACCTG TGTGAGGTCT ATGGCGGGGG CTGCCACGGT TGCCTCATGT 1560 CCCGAGACCC CTACTGCGGC TGGGACCAGG GCCGCTGCAT CTCCATCTAC AGCTCCGAAC . 1620 GGTCAGTGCT GCAATCCATT AATCCAGCCG AGCCACACAA GGAGTGTCCC AACCCCAAAC 1680 CAGACAAGGC CCCACTGCAG AAGGTTTCCC TGGCCCCAAA CTCTCGCTAC TACCTGAGCT 1740 GCCCCATGGA ATCCCGCCAC GCCACCTACT CATGGCGCCA CAAGGAGAAC GTGGAGCAGA 1800 GCTGCGAACC TGGTCACCAG AGCCCCAACT GCATCCTGTT CATCGAGAAC CTCACGGCGC 1860 AGCAGTACGG CCACTACTTC TGCGAGGCCC AGGAGGGCTC CTACTTCCGC GAGGCTCAGC 1920 ACTGGCAGCT GCTGCCCGAG GACGGCATCA TGGCCGAGCA CCTGCTGGGT CATGCCTGTG 1980 CCCTGGCTGC CTGAATTCGA AGCTTGGAGT CGACTCTGCT GAAGAGGAGG AAATTCTCCT 2040 TGAAGTTTCC CTGGTGTTCA AAGTAAAGGA GTTTGCACCA GACGCACCTC TGTTCACTGG 2100 TCCGGCGTAT TAAAACACGA TACATTGTTA TTAGTACATT TATTAAGCGC TAGATTCTGT 2160 GCGTTGTTGA TTTACAGACA ATTGTTGTAC GTATTTTAAT AATTCATTAA ATTTATAATC 2220 CONTRACTORS ASSESSMENT OF THE **经股份的** 医 111 2280 TTTAGGGTGG TATGTTAGAG CGAAAATCAA ATGATTTTCA GCGTCTTTAT ATCTGAATTT ENERGISTANCE AND COMPANY OF THE 1349.1 AAATATTAAA TCCTCAATAG ATTTGTAAAA TAGGTTTCGA TTAGTTTCAA ACAAGGGTTG 2340 TTTTTCCGAA CCGATGGCTG GACTATCTAA TGGATTTTCG CTCAACGCCA CAAAACTTGC 2400 CAAATCTTGT AGCAGCAATC TAGCTTTGTC GATATTCGTT TGTGTTTTGT TTTGTAATAA 2460 AGGTTCGACG TCGTTCAAAA TATTATGCGC TTTTGTATTT CTTTCATCAC TGTCGTTAGT 2520 GTACAATTGA CTCGACGTAA ACACGTTAAA TAAAGCCTGG ACATATTTAA CATCGGGCGT 2580 GTTAGCTTTA TTAGGCCGAT TATCGTCGTC GTCCCAACCC TCGTCGTTAG AAGTTGCTTC 2640 CGAAGACGAT TTTGCCATAG CCACACGACG CCTATTAATT GTGTCGGCTA ACACGTCCGC 2700 GATCAAATTT GTAGTTGAGC TTTTTGGAAT TATTTCTGAT TGCGGGCGTT TTTGGGCGGG 2760 TTTCAATCTA ACTGTGCCCG ATTTTAATTC AGACACACG TTAGAAAGCG ATGGTGCAGG 2820 CGGTGGTAAC ATTTCAGACG GCAAATCTAC TAATGGCGGC GGTGGTGGAG CTGATGATAA 2880 ATCTACCATC GGTGGAGGCG CAGGCGGGGC TGGCGGCGGA GGCGGAGGCG GAGGTGGTGG 2940 CGGTGATGCA GACGGCGGTT TAGGCTCAAA TTGTCTCTTT CAGGCAACAC AGTCGGCACC 3000 TCAACTATTG TACTGGTTTC GGGCGTATGG TGCACTCTCA GTACAATCTG CTCTGATGCC 3060 GCATAGTTAA GCCAGCCCG ACACCCGCCA ACACCCGCTG ACGCGCCCTG ACGGGCTTGT 3120 CTGCTCCCGG CATCCGCTTA CAGACAAGCT GTGACCGTCT CCGGGAGCTG CATGTGTCAG 3180 AGGTTTTCAC CGTCATCACC GAAACGCGCG AGACGAAAGG GCCTCGTGAT ACGCCTATTT 3240 TTATAGGTTA ATGTCATGAT AATAATGGTT TCTTAGACGT CAGGTGGCAC TTTTCGGGGA 3300 AATGTGCGCG GAACCCCTAT TTGTTTATTT TTCTAAATAC ATTCAAATAT GTATCCGCTC 3360 ATGAGACAAT AACCCTGATA AATGCTTCAA TAATATTGAA AAAGGAAGAG TATGAGTATT 3420 CAACATTTCC GTGTCGCCCT TATTCCCTTT TTTGCGGCAT TTTGCCTTCC TGTTTTTGCT 3480 CACCCAGAAA CGCTGGTGAA AGTAAAAGAT GCTGAAGATC AGTTGGGTGC ACGAGTGGGT 3540 TACATCGAAC TGGATCTCAA CAGCGGTAAG ATCCTTGAGA GTTTTCGCCC CGAAGAACGT 3600 TTTCCAATGA TGAGCACTTT TAAAGTTCTG CTATGTGGCG CGGTATTATC CCGTATTGAC 3660 GCCGGGCAAG AGCAACTCGG TCGCCGCATA CACTATTCTC AGAATGACTT GGTTGAGTAC 3720 TCACCAGTCA CAGAAAAGCA TCTTACGGAT GGCATGACAG TAAGAGAATT ATGCAGTGCT 3780 GCCATAACCA TGAGTGATAA CACTGCGGCC AACTTACTTC TGACAACGAT CGGAGGACCG 3840 AAGGAGCTAA CCGCTTTTTT GCACAACATG GGGGATCATG TAACTCGCCT TGATCGTTGG 3900 GAACCGGAGC TGAATGAAGC CATACCAAAC GACGAGCGTG ACACCACGAT GCCTGTAGCA 3960 CALLS IN THE PROPER WATER ATGGCAACAA CGTTGCGCAA ACTATTAACT GGCGAACTAC TTACTCTAGC TTCCCGGCAA 4020 CAATTAATAG ACTGGATGGA GGCGGATAAA GTTGCAGGAC CACTTCTGCG CTCGGCCCTT 4080 CCGGCTGGCT GGTTTATTGC TGATAAATCT GGAGCCGGTG AGCGTGGGTC TCGCGGTATC 4140 ATTGCAGCAC TGGGGCCAGA TGGTAAGCCC TCCCGTATCG TAGTTATCTA CACGACGGGG 4200 AGTCAGGCAA CTATGGATGA ACGAAATAGA CAGATCGCTG AGATAGGTGC CTCACTGATT 4260 AAGCATTGGT AACTGTCAGA CCAAGTTTAC TCATATATAC TTTAGATTGA TTTAAAACTT 4320 CATTTTTAAT TTAAAAGGAT CTAGGTGAAG ATCCTTTTTG ATAATCTCAT GACCAAAATC 4380 CCTTAACGTG AGTTTTCGTT CCACTGAGCG TCAGACCCCG TAGAAAAGAT CAAAGGATCT 4440

TCTTGAGATC CTTTTTTCT GCGCGTAATC TGCTGCTTGC AAACAAAAAA ACCACCGCTA CCAGCGGTGG TTTGTTTGCC GGATCAAGAG CTACCAACTC TTTTTCCGAA GGTAACTGGC 4560 TTCAGCAGAG CGCAGATACC AAATACTGTT CTTCTAGTGT AGCCGTAGTT AGGCCACCAC 4620 TTCAAGAACT CTGTAGCACC GCCTACATAC CTCGCTCTGC TAATCCTGTT ACCAGTGGCT 4680 GCTGCCAGTG GCGATAAGTC GTGTCTTACC GGGTTGGACT CAAGACGATA GTTACCGGAT 4740 4800 AAGGCGCAGC GGTCGGGCTG AACGGGGGGT TCGTGCACAC AGCCCAGCTT GGAGCGAACG ACCTACACCG AACTGAGATA CCTACAGCGT GAGCTATGAG AAAGCGCCAC GCTTCCCGAA GGGAGAAAGG CGGACAGGTA TCCGGTAAGC GGCAGGGTCG GAACAGGAGA GCGCACGAGG 4920 4980 GAGCTTCCAG GGGGAAACGC CTGGTATCTT TATAGTCCTG TCGGGTTTCG CCACCTCTGA CTTGAGCGTC GATTTTTGTG ATGCTCGTCA GGGGGGGGGA GCCTATGGAA AAACGCCAGC 5040 5100 AACGCGGCCT TTTTACGGTT CCTGGCCTTT TGCTGGCCTT TTGCTCACAT GTTCTTTCCT GCGTTATCCC CTGATTCTGT GGATAACCGT ATTACCGCCT TTGAGTGAGC TGATACCGCT 5160 CGCCGCAGCC GAACGACCGA GCGCAGCGAG TCAGTGAGCG AGGAAGCATC CTGCACCATC 5220 GTCTGCTCAT CCATGACCTG ACCATGCAGA GGATGATGCT CGTGACGGTT AACGCCTCGA 5280 5340 ATCAGCAACG GCTTGCCGTT CAGCAGCAGC AGACCATTTT CAATCCGCAC CTCGCGGAAA CCGACATCGC AGGCTTCTGC TTCAATCAGC GTGCCGTCGG CGGTGTGCAG TTCAACCACC 5400 GCACGATAGA GATTCGGGAT TTCGGCGCTC CACAGTTTCG GGTTTTCGAC GTTCAGACGT 5460 AGTGTGACGC GATCGGTATA ACCACCACGC TCATCGATAA TTTCACCGCC GAAAGGCGCG 5520 GTGCCGCTGG CGACCTGCGT TTCACCCTGC CATAAAGAAA CTGTTACCCG TAGGTAGTCA 5580 CGCAACTCGC CGCACATCTG AACTTCAGCC TCCAGTACAG CGCGGCTGAA ATCATCATTA 5640 AAGCGAGTGG CAACATGGAA ATCGCTGATT TGTGTAGTCG GTTTATGCAG CAACGAGACG 5700 TCACGGAAAA TGCCGCTCAT CCGCCACATA TCCTGATCTT CCAGATAACT GCCGTCACTC 5760 CAACGCAGCA CCATCACCGC GAGGCGGTTT TCTCCGGCGC GTAAAAATGC GCTCAGGTCA 5820 AATTCAGACG GCAAACGACT GTCCTGGCCG TAACCGACCC AGCGCCCGTT GCACCACAGA 5880 TGAAACGCCG AGTTAACGCC ATCAAAAATA ATTCGCGTCT GGCCTTCCTG TAGCCAGCTT 5940 TCATCAACAT TAAATGTGAG CGAGTAACAA CCCGTCGGAT TCTCCGTGGG AACAAACGGC 6000 GGATTGACCG TAATGGGATA GGTCACGTTG GTGTAGATGG GCGCATCGTA ACCGTGCATC 6060 TGCCAGTTTG AGGGGACGAC GACAGTATCG GCCTCAGGAA GATCGCACTC CAGCCAGCTT 6120

TCCGGCACCG	CTTCTGGTGC	CGGAAACCAG	GCAAAGCGCC	ATTCGCCATT	CAGGCTGCGC	6180
AACTGTTGGG	AAGGGCGATC	GGTGCGGGCC	TCTTCGCTAT	TACGCCAGCT	GGCGAAAGGG	6240
GGATGTGCTG	CAAGGCGATT	AAGTTGGGTA	ACGCCAGGGT	TTTCCCAGTC	ACGACGTTGT	6300
AAAACGACGG	GATCTATCAT	TTTTAGCAGT	GATTCTAATT	GCAGCTGCTC	TTTGATACAA	6360
CTAATTTTAC	GACGACGATG	CGAGCTTTTA	TTCAACCGAG	CGTGCATGTT	TGCAATCGTG	6420
CAAGCGTTAT	CAATTTTTCA	TTATCGTATT	GTTGCACATC	AACAGGCTGG	ACACCACGTT	6480
GAACTCGCCG	CAGTTTTGCG	GCAAGTTGGA	CCCGCCGCGC	ATCCAATGCA	AACTTTCCGA	6540
CATTCTGTTG	CCTACGAACG	ATTGATTCTT	TGTCCATTGA	TCGAAGCGAG	TGCCTTCGAC	6600
TTTTTCGTGT	CCAGTGTGGC	TT				6622

(2) INFORMATION FOR SEQ ID NO:43:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 31 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:43: CCGGATCCGC CCAGGGCCAC CTAAGGAGCG G
- (2) INFORMATION FOR SEQ ID NO:44:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 29 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
 - (ii) MOLECULE TYPE: DNA (genomic)
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:44:

CTGAATTCAG GAGCCAGGGC ACAGGCATG

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